CARNA BIOSCIENCES

Accelerate Discovery! Benefit from the assay expertise of Carna Biosciences...

QuickScout Screening Assist™ Kits

QuickScout Screening Assist™ Kits are designed to speed you through compound screening, particularly secondary- and counter- screening operations, by providing necessary reagents and detailed assay protocols, for more than 300 human kinases.
Each assay is designed to be completed in 2-3 hours at ATP levels approximating Km value.
Each kinase kit is made-to-order, with turnaround time of 2-3 weeks.

Advantages of Carna's Assay Kits...

- Prepared utilizing the extensive expertise of our prof iling services
- Ready-To-Run products & protocols
- One kit allows you multiple assays
- Up to 4 kinases can be selected per kit (MSA 400dp only)

Time & Cost Effective!

READY-TO-RUN Products & Protocols for 312 Kinase Assays

Designed for primary, in-house screening procedures -Lead Generation through Lead Optimization!

Mobility Shift Assay (MSA)

QSS Assist™ MSA

This MSA kit works best using LabChip®technology from Caliper Life Sciences, Inc.

800dp Set

(Equivalent to 2 x 384-well plate)

272 Kinases — ONE kinase may be selected

400dp Set

(Equivalent to 1 x 384-well plate)

209 Kinases — Select either 1, 2, or 4 kinases

QSS Assist™ MSA Kit Components

- Protein Kinase
- Substrate Mixture (ATP, Metal included)
- Assay Buffer
- Termination Buffer
- Assay Protocol (Separation conditions included) ☛ Protocol sample is available online.

After initial kit purchase,
components may be purchased separately.
Minimum order requirements apply.

For more details, please visit our website.

FP(IMAP™)

QSS Assist™ FP

77 Kinases

Kit Components
- Protein Kinase
- Substrate Mixture
- Assay Buffer
- Assay Protocol

800dp/set (Equivalent to 2 x 384-well plate)

TR-FRET

QSS Assist™ TR-FRET

22 Kinases

Kit Components
- Protein Kinase
- Substrate Mixture
- Assay Buffer
- Assay Protocol

800dp/set (Equivalent to 2 x 384-well plate)

ELISA

QSS Assist™ ELISA

110 Kinases

Kit Components
- Protein Kinase
- Substrate Mixture
- Assay Buffer
- Assay Protocol

500dp/set (Equivalent to 5 x 96-well plate)

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QuickScout Screening Assist™ Kits from Carna Biosciences, Inc.

Tyrosine Kinases	MSA 800	MSA 400	TK-ELISA	TR-FRET
ABL(ABL1)	●	●	●	
ABL(ABL1) [E255K]	●	●		
ABL(ABL1) [T315I]	●	●		
ACK(TNK2)	●			
ALK	●	●		●
ALK [F1174L]	●	●		
ALK [R1275Q]	●	●		
ARG(ABL2)	●	●	●	
AXL	●	●	●	
BLK	●	●	●	
BMX	●	●	●	
BRK(PTK6)	●		●	
BTK	●	●	●	●
CSK	●	●	●	●
DDR1	●			
DDR2	●	●	●	
EGFR	●	●	●	
EGFR [d746-750]	●	●		
EGFR [d746-750/T790M]	●	●		
EGFR [L858R]	●			
EGFR [L861Q]	●	●		
EGFR [T790M/L858R]	●	●		
EGFR [T790M]	●	●		
EML4-ALK	●	●		
EPHA1	●	●	●	
EPHA2	●	●	●	●
EPHA3	●	●	●	
EPHA4	●	●	●	
EPHA5	●	●	●	
EPHA6	●	●	●	
EPHA7	●	●	●	
EPHA8	●	●	●	
EPHB1	●	●	●	
EPHB2	●	●	●	
EPHB3	●	●	●	
EPHB4	●	●	●	
FAK(PTK2)	●		●	●
FER	●	●	●	
FES	●		●	●
FGFR1	●	●	●	
FGFR1 [V561M]	●	●		
FGFR2	●	●	●	
FGFR2 [N549H]	●	●		
FGFR3	●	●	●	●
FGFR3 [K650E]	●	●		
FGFR3 [K650M]	●	●		
FGFR4	●	●	●	
FGFR4 [N535K]	●			
FGFR4 [V550E]	●	●		
FGFR4 [V550L]	●	●		
FGR	●	●	●	
FLT1	●	●	●	
FLT3	●	●	●	●
FLT4	●	●	●	
FMS(CSF1R)	●	●	●	
FRK	●	●	●	
FYN	●	●	●	
HCK	●	●	●	●
HER2(ERBB2)	●		●	
HER4(ERBB4)	●	●	●	
IGF1R	●	●	●	●
INSR	●	●	●	
IRR(INSRR)	●		●	
ITK	●	●	●	
JAK1	●		●	●
JAK2	●	●	●	●
JAK2(JH1 JH2)	●	●		
JAK2(JH1 JH2) [V617F]	●	●		
JAK3	●	●	●	●
KDR	●	●	●	
KIT	●	●	●	
KIT [D816V]	●	●		
KIT [T670I]	●	●		
KIT [V560G]	●			
KIT [V654A]	●	●		
LCK	●	●	●	●
LTK	●	●	●	
LYNa	●	●	●	●
LYNb	●	●	●	
MER(MERTK)	●	●	●	●
MET	●	●	●	●
MET [Y1235D]	●	●		
MUSK	●		●	
PDGFRα(PDGFRA)	●	●	●	
PDGFRα(PDGFRA) [T674I]	●			
PDGFRα(PDGFRA) [V561D]	●	●		
PDGFRβ(PDGFRB)	●	●	●	●
PYK2(PTK2B)	●	●	●	
RET	●	●	●	
RET [G691S]	●	●		
RET [M918T]	●	●		
RET [S891A]	●	●		
RET [Y791F]	●	●		
RON(MST1R)	●	●	●	
ROS(ROS1)	●	●	●	
SRC	●	●	●	
SRM(SRMS)	●	●	●	
SYK	●	●	●	●
TEC	●		●	
TIE2(TEK)	●	●	●	●
TNK1	●	●	●	
TRKA(NTRK1)	●	●	●	●
TRKB(NTRK2)	●	●	●	
TRKC(NTRK3)	●	●		
TXK	●	●	●	
TYK2	●		●	●
TYRO3	●	●	●	
YES(YES1)	●	●	●	
YES(YES1) [T348I]	●	●		
ZAP70	●		●	

Serine/Threonine Kinases	MSA 800	MSA 400	FP (IMAP™)	STK-ELISA
AKT1	●	●	●	
AKT2	●	●	●	
AKT3	●	●	●	
AMPKα1/β1/γ1(PRKAA1/B1/G1)	●	●		
AMPKα2/β1/γ1(PRKAA2/B1/G1)	●			
AurA(AURKA)	●	●	●	
AurA(AURKA)/TPX2	●	●		
AurB(AURKB)/INCENP	●	●	●	
AurC(AURKC)	●	●	●	
BMPR1A				●
BRAF				●
BRAF [V600E]				●
BRSK1	●	●		
BRSK2	●	●		
CaMK1α(CAMK1)	●	●		
CaMK1δ(CAMK1D)	●	●		
CaMK2α(CAMK2A)	●	●	●	
CaMK2β(CAMK2B)	●	●		
CaMK2δ(CAMK2D)	●	●		
CaMK2γ(CAMK2G)	●	●		
CaMK4	●		●	
CDC2/CycB1	●	●	●	
CDC2L6/CycC				●
CDC7/ASK	●			●
CDK2/CycA2	●	●	●	
CDK2/CycE1	●	●		
CDK3/CycE1	●	●	●	
CDK4/CycD3	●		●	
CDK5/p25	●	●	●	
CDK6/CycD3	●	●		
CDK7/CycH/MAT1	●			
CDK8/CycC				●
CDK9/CycT1	●			
CGK2(PRKG2)	●	●	●	
CHK1(CHEK1)	●	●	●	
CHK2(CHEK2)	●	●	●	
CK1α(CSNK1A1)	●			
CK1δ(CSNK1D)	●	●	●	
CK1ε(CSNK1E)	●	●		
CK1γ1(CSNK1G1)	●	●		
CK1γ2(CSNK1G2)	●	●		
CK1γ3(CSNK1G3)	●	●		
CK2α1/β(CSNK2A1/B)	●			
CK2α2/β(CSNK2A2/B)	●			
CLK1	●		●	
CLK2	●	●		
CLK3	●			
COT(MAP3K8)				●
CRIK(CIT)	●		●	
DAPK1	●	●	●	
DCAMKL2	●			
DLK(MAP3K12)				●
DYRK1A	●	●		
DYRK1B	●	●		
DYRK2	●	●		
DYRK3	●	●		
EEF2K	●			
Erk1(MAPK3)	●	●	●	
Erk2(MAPK1)	●	●	●	
Erk5(MAPK7)				●
GSK3α(GSK3A)	●	●		
GSK3β(GSK3B)	●	●		●
Haspin(GSG2)	●	●		
HGK(MAP4K4)	●	●	●	
HIPK1	●	●		
HIPK2	●	●		
HIPK3	●	●		
HIPK4	●	●		
IKKa(CHUK)			●	
IKKβ(IKBKB)	●	●		
IKKε(IKBKE)	●		●	
IRAK1			●	
IRAK4	●		●	
JNK1(MAPK8)				●
JNK2(MAPK9)				●
JNK3(MAPK10)				●
LATS2	●	●		
LIMK1				●
LKB1(STK11)/MO25a/STRADa				●
LOK(STK10)	●			
MAP2K1				●
MAP2K2				●
MAP2K3				●
MAP2K4				●
MAP2K5				●
MAP2K6				●
MAP2K7				●
MAP3K1				●
MAP3K2				●
MAP3K3				●
MAP3K4				●
MAP3K5				●
MAP4K2	●			
MAPKAPK2	●	●	●	
MAPKAPK3	●	●	●	
MAPKAPK5	●	●	●	
MARK1	●	●		
MARK2	●	●		
MARK3	●	●		
MARK4	●	●		
MELK	●	●	●	
MGC42105	●	●	●	
MINK(MINK1)	●			
MLK1(MAP3K9)				●
MLK2(MAP3K10)				●
MLK3(MAP3K11)				●

Serine/Threonine Kinases	MSA 800	MSA 400	FP (IMAP™)	STK-ELISA
MNK1(MKNK1)	●	●	●	
MNK2(MKNK2)	●	●	●	
MOS				●
MRCKα(CDC42BPA)	●		●	
MRCKβ(CDC42BPB)	●			
MSK2(RPS6KA4)	●		●	
MSSK1(STK23)	●	●		
MST1(STK4)	●			
MST2(STK3)	●			
MST3(STK24)	●			
MST4	●		●	
NDR1(STK38)	●			
NDR2(STK38L)	●	●		
NEK1	●	●		
NEK2	●	●		
NEK4	●			
NEK6	●			
NEK7	●			
NEK9	●	●		
NPM1-ALK	●	●		
NuaK1	●	●	●	
NuaK2	●			
p38α(MAPK14)	●	●	●	
p38β(MAPK11)	●	●	●	
p38γ(MAPK12)	●	●	●	
p38δ(MAPK13)	●	●	●	
p70S6K(RPS6KB1)	●	●	●	
PAK1	●	●		
PAK2	●	●		
PAK3	●	●		
PAK4	●			
PAK5	●	●		
PAK6	●	●		
PASK	●		●	
PBK	●	●	●	
PDHK2(PDK2)	●			
PDHK4(PDK4)	●			
PEK			●	
PGK(PRKG1)	●	●	●	
PHKG1	●	●	●	
PHKG2	●			
PIM1	●	●	●	
PIM2	●	●	●	
PIM3	●	●		
PKACα(PRKACA)	●	●	●	
PKACβ(PRKACB)	●	●		
PKACγ(PRKACG)	●			
PKCα(PRKCA)	●	●	●	
PKCβ1(PRKCB1)	●	●	●	
PKCβ2(PRKCB2)	●	●		
PKCγ(PRKCG)	●	●		
PKCδ(PRKCD)	●	●	●	
PKCε(PRKCE)	●	●	●	
PKCζ(PRKCZ)	●	●	●	
PKCη(PRKCH)	●	●	●	
PKCθ(PRKCQ)	●	●	●	
PKCι(PRKCI)	●		●	
PKD1(PRKD1)	●	●	●	
PKD2(PRKD2)	●	●	●	
PKD3(PRKD3)	●	●	●	
PKR			●	
PLK1	●		●	
PLK2			●	
PLK3	●		●	
PLK4				●
PRKX	●	●	●	
QIK(SNF1LK2)	●			
RAF1				●
ROCK1	●	●	●	
ROCK2	●	●	●	
RSK1(RPS6KA1)	●	●	●	
RSK2(RPS6KA3)	●	●	●	
RSK3(RPS6KA2)	●	●	●	
RSK4(RPS6KA6)	●	●		
SGK	●	●	●	
SGK2	●	●		
SGK3(SGKL)	●	●	●	
SIK(SNF1LK)	●			
skMLCK(MYLK2)	●	●		
SLK	●	●		
SRPK1			●	
SRPK2	●	●	●	
TAK1-TAB1(MAP3K7)				●
TAOK2	●			
TBK1	●	●		
TNIK	●			
TSSK1	●	●		
TSSK2	●	●		
TSSK3	●	●		
TTK (TK-ELISA)				●
WEE1 (TK-ELISA)				●
WNK1	●		●	
WNK2	●			
WNK3	●			

Lipid Kinase	MSA 800	MSA 400	FP (IMAP™)	STK-ELISA
PIK3CA/PIK3R1	●	●		
SPHK1	●	●		

MSA (Mobility Shift Assay) - 800dp	272
MSA (Mobility Shift Assay) - 400dp	209
FP (IMAP™)	77
ELISA	110
TR-FRET	22

Updated: 2012/9/25