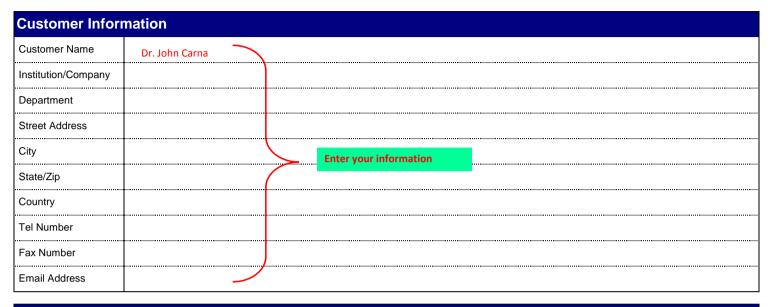
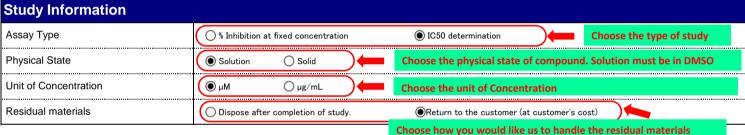


QuickScout™ Selectivity Profiling Service Application Form

Date: Enter mm/dd/yy





Additional Information

For special request, please write here.

Notice

Detailed information about each kinase and assay condition can be checked on the latest Kinase Profiling Book. http://www.carnabio.com/output/pdf/ProfilingProfilingPook_en.pdf

Sample Preparation

The volume of samples required for testing varies with the number and types of assays selected.

Please supply samples in 100% DMSO at 100X the highest test concentration.

Volume required : \leq 100 target kinases = 500 uL , >100 target kinases = 1000 uL

If your samples do not meet our requirements (i.e.. 10 mM DMSO solution, solid form), please consult us. Also, please provide us the Safety Data Sheet (SDS, or cautions for sample handling), disposal instruction, and any special solubilization instructions if available.

Samples submitted as solids must be shipped pre-weighed with the accurate molecular weight, quantity shipped and purity recorded on this Application Form. Please provide sample(s) in a vessel deep enough to accommodate 5 mM* DMSO solution. An additional charge may apply if a large number of samples are supplied as powders. We do not weigh customer samples. Please consult us prior to shipment.

(*in case of >50 uM test concentration, please contact us in advance)

Ship to: CARNA BIOSCIENCES, INC.□

Attention: Yusuke Kawase

BMA 3F 1-5-5 Minatojima-Minamimachi, Chuo-ku, Kobe 650-0047 Japan

TEL: +81 78-302-7091 / FAX: +81 78-302-7086

E-mail: info@carnabio.com

Storage

Unless otherwise directed by the client, samples are solubilized and diluted with dimethylsulfoxide (DMSO) to achieve 100-fold higher concentration than the final test concentrations. This Solution is stored at -10 to -30 Celsius. This solution is further diluted into 4% DMSO to achieve a 4-fold higher concentration than the final test concentrations. The addition of reagents used in the assay further dilutes the sample solution by 4-fold, so that the final DMSO concentration in the assay is 1%. If you have determined that your samples are insoluble in 100% DMSO, 4% DMSO, or require special handling, please consult us in prior to shipping.

Disposal

Unless otherwise indicated on the Application Form by the client, residuals will be disposed after three (3) months from the completion of study. Residuals can be returned to the client upon an request at the client's expense.

Please feel free to contact us if you have any questions or comments.

| | mpound and Assay Information ENTION: Please do not DRAG & DROP (or PASTE) when completing cells. To change a cell entry, please Name | | | | | | | | | se delete the information then re-enter. oncentration (µM) | | | | | |
|----------|---|--|--|-----------------------|----------------|---|---------------|---|---|--|----------|--------------|----------|----------|--|
| | Name | Lot # | Prep. Date | Conc. (mM) | volume (μL) | Purity (%) | Storage Temp. | Conc1 | Certifation | (µIVI) | | | | | |
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How to use "Kinase List" function If you are going to choose a large number of kinases, please use the Kinase List function on the right!) Identify the Complete Kinase List (CKL) sheet to the right (the fourth sheet). **Target Kinase Selection** p) Extract your request kinase names by using the alphabetized kinase list, and copy the target names from the CKL and paste them to the cells below. For Km testing, the target name is sufficient. For 1mM ATP QuickScout Panel he total number of assys you have chosen 52 assays selected П **V** • TK Panel Km assay all ☐ Hide All Unselected Kinases testing, choose the target name followed by _1mM П П • STK Panel • 1mM assay all [underscore1mM] on the CKL. 4 Cell Cycle Panel Cascade assav all All kinase names chosen are indicated in red and the Click here for the pre-selected series MAPK Cascade Panel total target number is shown on the application sheet se be noted that any kinase names other than our Check the box of kinase you would like to request. official product names cannot be entered ose the ATP concentration of your req Tyrosine Kinases Km 1mM 1mM Km Km 1mM 1mM Kinase List ABL [E255K] Ø v ABL [T315I] ACK ALK ALK [C1156Y] ALK [F1174L] ALK [G1202R] ALK [G1269A] ALK [L1152insT] ALK [L1196M] ALK [R1275Q] (ALK [T1151 L1152insT]) EML4-ALK NPM1-ALK ARG AXL BLK **BMX** BRK BTK BTK [C481S] DDR1 DDR2 EGFR [L858R] **EGFR** EGFR [d746-750] **EGFR** [d746-750/T790M] EGFR [L861Q] EGFR [T790M] EPHA1 TT790M/I 858R1 EPHA2 FPHA3 EPHA4 EPHA5 EPHA6 EPHA7 EPHA8 EPHB1 EPHB2 EPHB3 EPHB4 FAK FGFR1 [V561M] **FER FES** FGFR1 FGFR2 FGFR3 FGFR3 [K650E] FGFR3 [K650M] FGFR4 FGFR4 [N535K] ※ FGFR4 [V550E] FGFR4 [V550L] FGR FMS FRK FYN [isoform a] FYN [isoform b] нск HER2 HER4 IGF1R INSR IRR ITK JAK1 KIT JAK3 KDR JAK2 KIT [D816E] KIT [D816V] KIT [D816Y] KIT [T670I] KIT [V560G] KIT [V654A] LCK LTK MET [Y1235D] MET [D1228H] MET [M1250T] MUSK PDGFRa PDGFRα [D842V] PDGFRα [T674I] PDGFRα [V561D] **PDGFR**ß PYK2 RET **RET [G691S]** RET [Y791F] RON RET [M918T] **RET [S891A]** ROS SRC SRM SYK TEC TIE2 TNK1 TRKA TRKB TRKC TXK TYK2 TYRO3 YES YES [T348I] ZAP70 Serine/Threonine Kinases 1mM 1mM Km 1mM Km 1mM AKT1 AKT2 AKT3 AMPKa1/B1/v1 ΑΜΡΚα2/β1/γ1 AurA/TPX2 AurC BRSK1 BRSK2 BUB1/BUB3 CaMK1α ☐ Km = 1mM CaMK1δ CaMK2α СаМК2β CaMK2y CaMK2δ CaMK4 CDC2/CycB1 CDC7/ASK CDK2/CycA2 CDK3/CycE1 ☐ Km = 1mM CDK2/CycE1 CDK6/CycD3 CDK4/CycD3 CDK5/p25 CDK7/CycH/MAT1 CDK9/CvcT1 CGK2 CHK1 CHK₂ CK1y1 CK1y2 CK1y3

Complete Kinase List sheet (on the fourth page)

Kinase Name ABL ABL_1mM ABL [E255K] ABL [E255K]_1mM ABL [T315I] ABL [T315I]_1mM ACK Target for 1mM ATP testing ACK_1mM AKT1 AKT1_1mM How to use the Complete Kinase List (CKL) sheet AKT2 AKT3 1) Extract your request kinase names by filter function of the A row. ALK 2) Copy the extracted kinase names and paste them onto the "Kinase List" ALK_1mM on the fisrt sheet ALK [C1156Y] ALK [C1156Y]_1n For 1mM ATP testing, choose the target name followed by _1mM [underscore1mM] ALK [F1174L] ALK [F1174L]_1m ALK [G1202R] ALK [G1202R]_1mM ALK [G1269A] ALK [G1269A]_1mM ALK [L1152insT] ALK [L1152insT]_1mM ALK [L1196M] ALK [L1196M]_1mM ALK [R1275Q] ALK [R1275Q]_1mM $AMPK\alpha 1/\beta 1/\gamma 1$ AMPK $\alpha 1/\beta 1/\gamma 1$ 1mM $AMPK\alpha 2/\beta 1/\gamma 1$ ARG ARG_1mM AurA AurA_1mM AurA/TPX2 AurB AurB_1mM AurC AurC_1mM AXL AXL_1mM BLK BLK_1mM BMX BMX_1mM BRAF [V600E]_Cascade BRAF_Cascade **BRK** BRK_1mM BRSK1 BRSK1_1mM BRSK2 BTK BTK 1mM BTK [C481S] BTK [C481S]_1mM BUB1/BUB3 CaMK1a

 $\begin{array}{l} CaMK1\delta \\ CaMK2\alpha \\ CaMK2\beta \\ CaMK2\gamma \\ CaMK2\delta \\ CaMK4 \\ CaMK4_1mM \end{array}$