CARNA BIOSCIENCES

AssayQuant® TECHNOLOGIES INC.

Kinase Name: **KDR (VEGFR2)**

Catalog Number: **08-191**

PhosphoSens Substrate: **AQT0794**

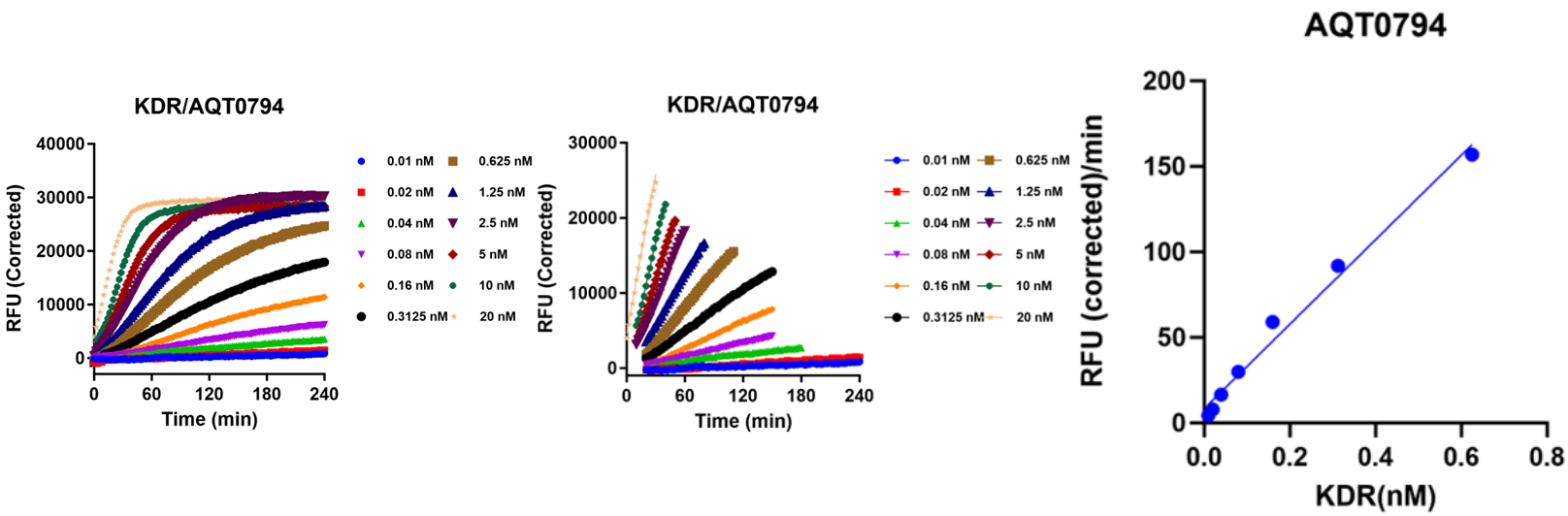
Substrate Concentration: **15 uM AQT0794**

Kinase Titration Progress Curves

COMPLETE PROGRESS CURVES

LINEAR REGION OF CURVES

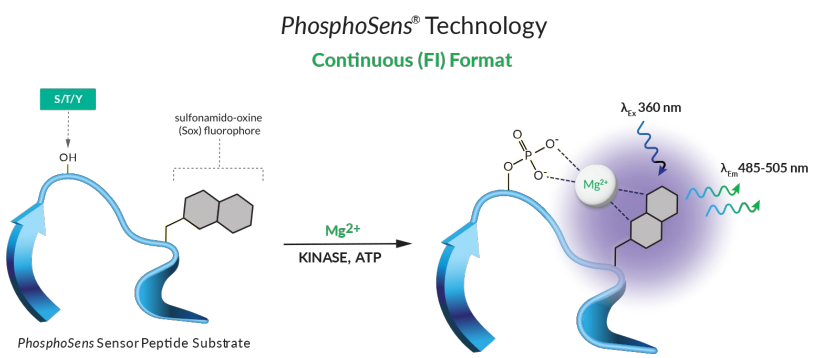
LINEAR RANGE PLOT



Reaction Conditions

1mM ATP, 54mM HEPES, pH 7.5, 1.2mM DTT, 0.012% Brij-35, 1% Glycerol, 0.2mg/mL BSA, 0.55mM EGTA, 10mM $MgCl^2$

PhosphoSens® Technology



Continuous, Real-Time Monitoring
Captures the entire kinetic profile from start to finish. This approach yields the actual reaction rate, with high accuracy, precision, and confidence

Direct Measurement of Enzyme Activity
Measures enzyme activity at the substrate level, avoiding the complications of indirect assays that require additional steps.

Physiologically Relevant Conditions
Use biologically relevant peptide substrate sequences in assays that are compatible with low to physiological [mM] concentrations of ATP.

Single-Step, Homogenous Workflow
Achieve fast and reproducible results with a homogenous, single-step workflow without compromising data quality.

AssayQuant Technologies Inc.

A Powerful Approach for Understanding Kinase Function and Discovering the Most Effective Drugs

Website: www.assayquant.com Email: hello@assayquant.com