CARNA BIOSCIENCES

AssayQuant®
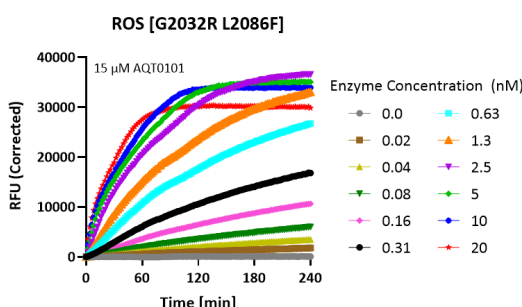TECHNOLOGIES INC.

Kinase Name: **ROS1 [G2032R/L2086F]**

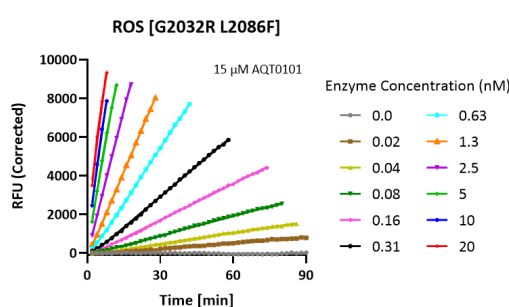Catalog Number: **08-587**

PhosphoSens Substrate: **AQT0101**

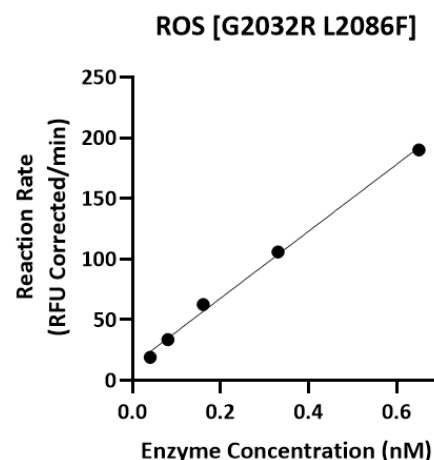Substrate Concentration: **15 uM AQT0101**

Kinase Titration Progress Curves

COMPLETE PROGRESS CURVES

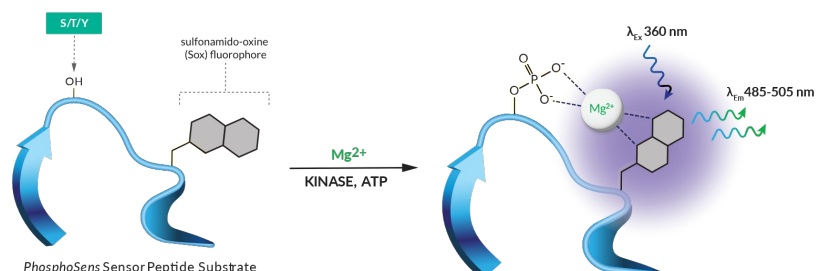LINEAR REGION OF CURVES

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

PhosphoSens® Technology
Continuous (FI) Format

PhosphoSens Sensor Peptide Substrate

☉ **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

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