

Data Sheet

BRK

Human, recombinant, N-terminal GST-tag

Catalog #: w50414

Lot #: 120410-G **Conc.:** 0.17 mg/ml

Formulated in: 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.1 mM EDTA, 0.1 mM EGTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Stability: >12 months at -80°C. Avoid freeze/thaw cycles.

References:

1. Mitchell, P.J., *et al. Oncogene* **9(8)**: 2383-2390 (1994).
2. Mitchell, P.J., *et al. Oncogene* **15(12)**: 1497-1502 (1997).

Description: Human BRK, also known as PTK6 (GenBank Accession No. NM_005975), 2-451 (end), with N-terminal GST-tag, MW=80 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

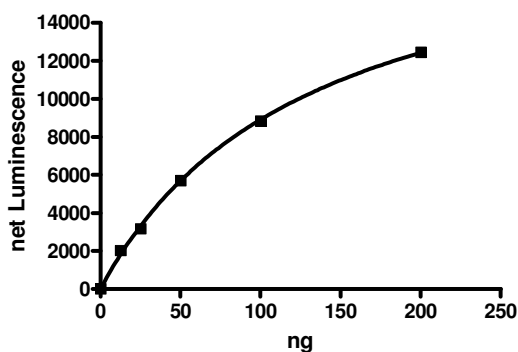
Specific Activity: 88 pmol/min/μg

Enzyme reaction was conducted in a buffer (25 μl) containing 40 mM Tris-HCl (pH 7.5), 20 mM MgCl₂, 100 μM ATP, 0.2 mg/ml poly-(Glu, Tyr), and BRK for 40 min at 30°C. ATP reduction is detected using ADP-Glo™ Kinase Assay Platform (Promega Corporation, Madison, WI).

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

Specific Activity

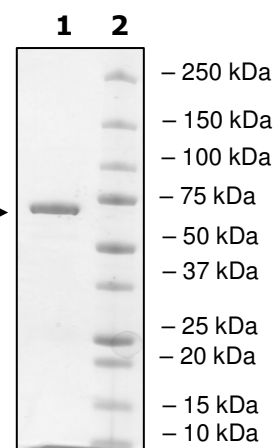


4-20% SDS-PAGE **Coomassie staining**

Lane 1:
2 μg BRK

Lane 2:
Protein Marker

MW: 80 kDa
Purity: ≥90%



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