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Data Sheet

HIPK1

Human, recombinant, N-terminal GST tag

Catalog #: 40179

Lot #: 110419 Conc.: 0.1 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, 25% glycerol.

Stability: >12 months at -80°C

References:

1. Ecsedy, J.A., *et al. Mol. Cell Biol.* **23**: 950-960 (2003).
2. Kondo, S., *et al. Proc. Natl. Acad. Sci. USA* **100**: 5431-5436 (2003).

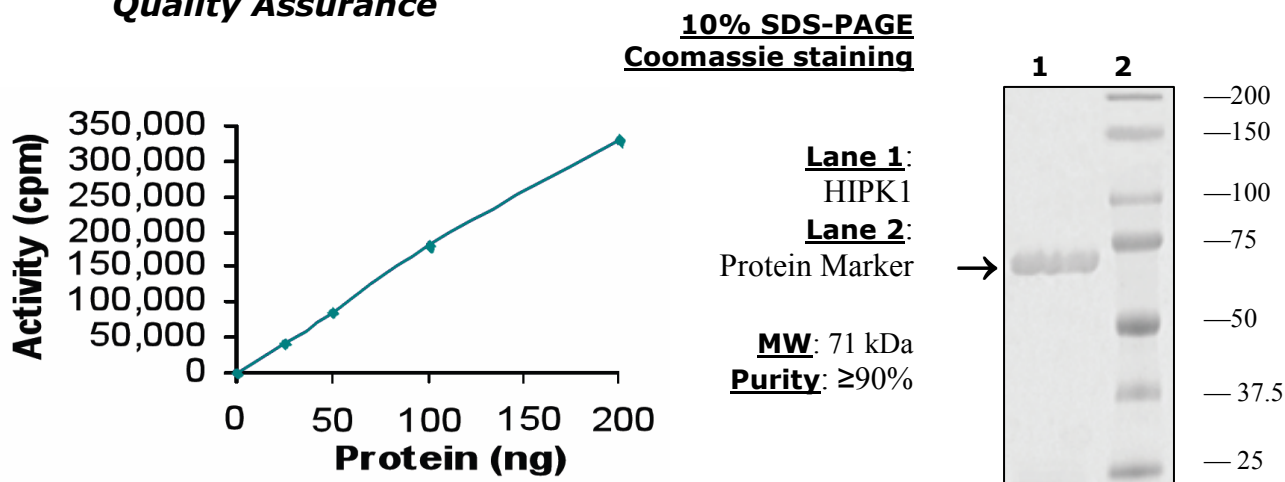
Description: Human HIPK1 (homeodomain-interacting protein kinase 1), also known as Myak and Nbak2 (GenBank Accession No. NM_152696), full length, with N-terminal GST tag, MW ~71 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

Specific Activity: 79 pmol/min/μg

Assay Buffer: 5 mM MOPS, 2.5 mM β-glycerophosphate, 5 mM MgCl₂, 1 mM EGTA, 0.4 mM EDTA, 0.05 mM DTT, 2 mM ATP. Incubate HIPK1 with 0.25 mg/ml Myelin Basic Protein (substrate) and [³³P]-ATP at 30°C for 15 minutes, then spot reaction on phosphocellulose paper, fix in 1% phosphoric acid, and assay with a scintillation counter.

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

Quality Assurance



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