

Recombinant Human PAS Domain Containing Serine/Threonine Kinase, GST-tagged

Cat. No. PASK-1286H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanPASK (amino acids 879-1323), N-terminal GST-tag, baculovirus insect cellexpression.
Species	Human
Source	Insect Cells
ProteinLength	879-1323 a.a.
Description	PASdomain-containing serine/threonine-protein kinase is an enzyme that in humansis encoded by the PASK gene. PAS domains regulate the function of manyintracellular signaling pathways in response to both extrinsic and intrinsicstimuli. PASK is an evolutionarily conserved protein present in yeast, flies,and mammals.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.
Concentration	0.18 mg/ml totalprotein as measured using the Bradford protein assay with BSA as a standard.
Purity	≥ 70% as determinedby a Coomassie blue-stained SDS-PAGE gel
Specific Activity	≥ 50 nmol phosphatetransferred to Ribosomal S6 peptide substrate (AKRRRLSSLRA)/min/mg.

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Storage Store at -80°C. At first use, aliquot and store at -80°C to avoid multiple freeze-thaws. If properly stored at -80°C, this product is guaranteed for 6 months from date of purchase. This protein is not stable at room temperature (activity decreases by 50% after 8 hours). Stable for at least 48 hours at 2-4°C.

Official Symbol PASK

GENE INFORMATION

Gene Name PASK PAS domain containing serine/threonine kinase [Homo sapiens]

Synonyms PASK; PAS domain containing serine/threonine kinase; STK37; PASKIN; KIAA0135; DKFZp434O051; DKFZp686P2031; OTTHUMP00000200461; PAS-serine/threonine kinase; EC 2.7.11.1; hPASK; PAS-kinase

Gene ID 23178

mRNA Refseq NM_015148

Protein Refseq NP_055963

MIM 608038

UniProt ID Q96RG2

Chromosome Location 2q37.3

Function ATP binding; nucleotide binding; protein serine/threonine kinase activity; signal transducer activity

PDB rendering

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based on 1118.