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. Atfirst use, aliquot and store at -80°C to avoid multiple freeze-thaws. Ifproperly stored at -80°C, this product is guaranteed for 6 months from dateof purchase. This protein not stable at room temperature (activity decreasesby 50% after 8 hours). Stable for at least 48 hours at 2-4°C.
OfficialSymbol	PASK

GENE INFORMATION

Gene Name	PASK PAS domain containing serine/threoninekinase [Homo sapiens]
Synonyms	PASK; PAS domaincontaining 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; nucleotidebinding; protein serine/threonine kinase activity; signal transducer activity
PDB rendering	

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