Recombinant Human PASK, GST-tagged, Active

Cat. No. PASK-383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length PASK (981-end) was expressed by *baculovirus* in *Sf9 insect cells* using an N-terminal GST tag. MW=66kDa.
Species	Human
Source	Sf9 Cells
Description	PASK or PAS domain containing serine/threonine kinase regulates the function of many intracellular signaling pathways involved in stress. PASK is involved in sensing environmental changes in light intensity, oxygen concentration and redox potential. Through interaction with IRS-1, PASK has been proposed as a counter-regulatory mechanism in insulin and cytokine signaling. PASK can phosphorylate and inactivate glycogen synthase in vitro. Efficient phosphorylation requires residues 444 to 955 of PASK between the PAS and catalytic kinase domain and this interaction is inhibited by the PAS domain.
Sequence	981-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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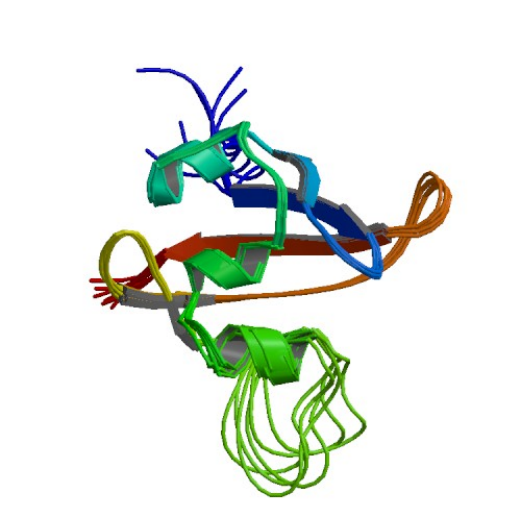
Gene Name	PASK PAS domain containing serine/threonine kinase [Homo sapiens]
Synonyms	PASK; PAS domain containing serine/threonine kinase; STK37; PASKIN; KIAA0135; DKFZp434O051; DKFZp686P2031; OTTHUMP00000200461; PAS-serine/threonine kinase; EC 2.7.11.1
Gene ID	23178
mRNA Refseq	NM_015148
Protein Refseq	NP_055963
MIM	608038
UniProt ID	Q96RG2
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity
PDB rendering based on 1ll8.	

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