

## Recombinant Human PASK, GST-tagged, Active

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length PASK (981-end) was expressed by <i>baculovirus</i> in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW=66kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	<p>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.</p>
<b>Sequence</b>	981-end.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

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