

## Recombinant Human PASK (N-GST tag)

Cat No:HR2R1826

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	PASK
Gene ID	N/A
Accession	NM_015148
Alternative Name	STK37; PASKIN; KIAA0135; DKFZp434O051; DKFZp686P2031
Species	Human
Source	Insect 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.
Functions	The specific activity of PASK was determined to be 144 nmol /min/mg as per activity assay protocol
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	66
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. 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.