

Recombinant Human PASK Protein (S949-S1323), Tag Free

Cat. No. PASK-1118H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PASK (S949-S1323 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	S949-S1323
Description	Serine/threonine-protein kinase involved in energy homeostasis and protein translation. Phosphorylates EEF1A1, GYS1, PDX1 and RPS6. Probably plays a role under changing environmental conditions (oxygen, glucose, nutrition), rather than under standard conditions. Acts as a sensor involved in energy homeostasis: regulates glycogen synthase synthesis by mediating phosphorylation of GYS1, leading to GYS1 inactivation. May be involved in glucose-stimulated insulin production in pancreas and regulation of glucagon secretion by glucose in alpha cells; however such data require additional evidences. May play a role in regulation of protein translation by phosphorylating EEF1A1, leading to increase translation efficiency. May also participate in respiratory regulation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	PASK PAS domain containing serine/threonine kinase [Homo sapiens (human)]
Official Symbol	PASK
Synonyms	PASK; PAS domain containing serine/threonine kinase; PAS domain-containing serine/threonine-protein kinase; KIAA0135; PASKIN; STK37; per-arnt-sim (PAS) domain kinase; DKFZp434O051; DKFZp686P2031;
Gene ID	23178
mRNA Refseq	NM_001252119
Protein Refseq	NP_001239048
MIM	607505
UniProt ID	Q96RG2

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