Recombinant Full Length Human PASK Protein, C-Flag-tagged

Cat. No. PASK-1257HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PASK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the serine/threonine kinase family that contains two PAS domains. Expression of this gene is regulated by glucose, and the encoded protein plays a role in the regulation of insulin gene expression. Downregulation of this gene may play a role in type 2 diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	142.7 kDa
AA Sequence	MEDGGLTAFEEDQRCLSQSLPLPVSAEGPAAQTTAEPSRSFSSAHRHLSRRNGLSR LCQSRTALSEDRWS SYCLSSLAAQNICTSKLHCPAAPEHTDPSEPRGSVSCCSLLR GLSSGWSSPLLPAPVCNPNKAIFTVDAK TTEILVANDKACGLLGYSSQDLIGQKLTQ FFLRSDSDVVEALSEEHMEADGHAAVVFGTVVDIISRSGEK IPVSVWMKRMRQERR LCCVVVLEPVERVSTWVAFQSDGTVTSCDSLFAHLHGYVSGEDVAGQHITDLIPS V QLPPSGQHIPKNLKIQRSVGRARDGTTFPLSLKLKSQPSSEEATTGEAAPVSGYRAS VWVFCTISGLIT LLPDGTIHGINHSFALTLFGYGKTELLGKNITFLIPGFYSYMDLAYNS SLQLPDLASCLDVGNESGCGER TLDPWQGQDPAEGGQDPRINVVLAGGHVVPRD

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	EIRKLMESQDIFTGTQTELIAGGQLLSCLSPQPAPGVD NVPEGSLPVHGEQALPKDQ QITALGREEPVAIESPGQDLLGESRSEPVDVKPFASCEDSEAPVPAEDGGS DAGMC GLCQKAQLERMGVSGPSGSDLWAGAAVAKPQAKGQLAGGSLLMHCPCYGSEWGL WWRSQDLAPSP SGMAGLSFGTPTLDEPWLGVENDREELQTCLIKEQLSQLSLAGA LDVPHAELVPTECQAVTAPVSSCDLG GRDLCGGCTGSSSACYALATDLPGGLEAV EAQEVDVNSFSWNLKELFFSDQTDQTSSNCSCATSELRETP SSLAVGSDPDVGSL QEQGSCVLDDRELLLLTGTCVDLGQGRRFRESCVGHDPTEPLEVCLVSSEHYAASD RESPGHVPSTLDAGPEDTCPSAEEPRLNVQVTSTPVIVMRGAAGLQREIQEGAYSG SCYHRDGLRLSIQF EVRRVELQGPTPLFCCWLVKDLLHSQRDSAARTRLFLASLPG STHSTAAELTGPSLVEVLRARPWFEEPP KAVELEGLAACEGEYSQKYSTMSPLGSG AFGFVWTAVDKEKNKEVVVKFIKKEKVLEDCWIEDPKLGKVT LEIAILSRVEHANIIKV LDIFENQGFFQLVMEKHGSGLDLFAFIDRHPRLDEPLASYIFRQLVSAVGYLR LKDIIH RDIKDENIVIAEDFTIKLIDFGSAAYLERGKLFYTFCGTIEYCAPEVLMGNPYRGPELE MWSLG VTLYTLVFEENPFCELEETVEAAIHPPYLVSKELMSLVSGLLQPVPERRTTL EKLVTDPWVTQPVNLADY TWEEVFRVNKPESGVLSAASLEMGNRSLSDVAQAQELCGGPVPGEAPNGQGCLH PGDPRLLTSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Protein Families	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
Full Length	Full L.

GENE INFORMATION

Gene Name	PASK PAS domain containing serine/threonine kinase [Homo sapiens (human)]
Official Symbol	PASK
Synonyms	STK37; PASKIN
Gene ID	23178
mRNA Refseq	NM_015148.4
Protein Refseq	NP_055963.2
MIM	607505
UniProt ID	Q96RG2

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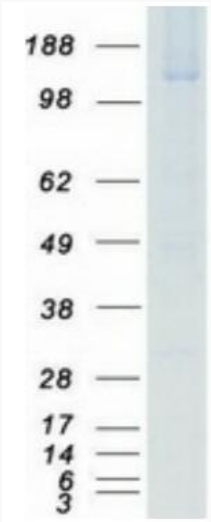

Coomassie blue staining of purified PASK protein.

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