

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	MEDGGLTAFEEDQRCLSQSLPLPVS AEGPAAQT TAEP SRSFSSAHRHLSRRNGLSR LCQSRTALSED RWS SYCLSSLAAQNICTSKLHCPAAPEHTDPSEPRGSVSCCSLLR GLSSGWSSPLL PAPVCNPNKAIFTVDAK TTEILVANDKACGLLGYSSQDLIGQKLTQ FFLRSDSDVVEALSEE HMEADGHA AVVFGTVVDIISRSGEK IPVSVWMKRMQRERR LCCVVVLEPVERVSTWVAFQSDGTVTSCDSLFAHLHGYVSGEDVAGQHITDLIPS V QLPPSGQHIPKNLKIQR SVGRARDGTTFPLSLK LKSQPSSEEATTGEAAPVSGYRAS VWVFCTISGLIT LLPDGTIHGINHSFALT LFGYGKTELLGKNITFLIPGFYSYMDLAYNS SLQLPDLASCLDVG NESGCGER TLDPWQQQDPAEGGQDPRIN VVLAGGHV VPRD

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EIRKLMESQDIFTGTQTELIAGGQLLSCLSPQPAPGVD NVPEGSLP VHGEQALPKDQ
QITALGREEPVAIESPGQDLLGESRSEPV DVKPFASCEDSEAPVPAEDGGS DAGMC
GLCQKAQLERMGVSGPSGSDLWAGA AVAKPQAKGQLAGGSLLMHCP CYGSEWGL
WWRSQDLAPSP SGMAGLSFGTPTLDEPWLG VENDORREELQTCLIKEQLS QLSLAGA
LDVPHAE LVPTECQAVTAPVSSCDLG GRDL CGGCTGSSSACYALATDLP GGLEAV
EAQEV DVNSFSWNLKELFFSDQTDQTSSNCSCATSELRETP SSLAVGSDPDVGS L
QEQGSCV LDDRELLLLTGTCVDLGQGRRFRESCVGHDPTEPLEVCLVSSEHYAASD
RESPGHVPSTLDAGPEDTCPSAE EPRLN VQVTSTPVIVMRGAAGLQREIQEGAYS G
SCYHRDGLRLSIQF EVRRVELQGPTPLFCCWL VKDLLHSQRDSAARTR LFLASLPG
STHSTAAELTGPSLVEVLRARPWFEEPP KAVELEGLAACEGEYSQKYSTMSP LSGS
AFGFVWTA VDKEKNKEVVVKFIKKEKVLEDCWIEDPKLGKVT LEIAILS RVEHANI IKV
LDIFENQ GFFQLVMEKHGSGLDLFAFIDRHPRLDEPLASYIFRQLV SAVGYLR LKDIH
RDIKDENIVIAEDFTIKLIDFGSAAYLERGKLFYTF CGTIEYCAPEVLMGNPYRGP ELE
MWSLG VTLYTLVFEENPFCELEETVEAAIHPPYLVSKELMSLVSGLLQPVPERR TTL
EKLVTDPWVTQP VNLADY
TWEEVFRV NKPESGVLSAASLEMGNRSLSDVAQAQELCGGPV PGEAPNGQGCLH
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
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Full Length	Full L.
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GENE INFORMATION

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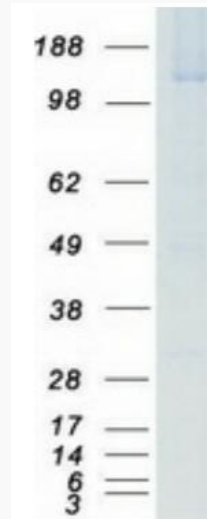
MIM	607505
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UniProt ID	Q96RG2
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Coomassie blue staining of purified PASK protein.

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