

## Product datasheet for TP309096

### PASK (NM\_015148) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human PAS domain containing serine/threonine kinase (PASK), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC209096 protein sequence  
Red=Cloning site Green=Tags(s)

MEDGGLTAFEEDQRCLSQSLPLPVSAEGPAAQTAEPSRFSSAHRHLSRRNGLSRLCQSRTALSEDRWS  
 SYCLSSLAAQNICTSKLHCPAAPEHTDPSEPRGSVSCSLLRGLSSGWSSPLLPAVPCNPNKAITVDK  
 TTEILVANDKACGLLGYSSQDLIGQKLTQFFLRSDSDVVEALSEEHMEADGHAAVVFGTVVDIISRSGEK  
 IPVSVWMKRMQRERLCCVWVLEPVERVSTWVAFQSDGTVTSCDSLFAHLHGYSGEDVAGQHITDLIPS  
 VQLPPSGQHIPKNLKIQRVGRARDGTTFFPLSLKLSQPSSEEAATTGEAAPVSGYRASVWVFCITISGLIT  
 LLPDGTIHGINHSFALTLFGYGKTELLGKNITFLIPGFYSYMDLAYNSSLQLPDLASCLDVGNESGCGER  
 TLDPWQGGQDPAEGGQDPRINVVLAGGHVPRDEIRKLMESQDIFTGTQTELIAGGQLLSCLSPQPAPGVD  
 NVPEGSLPVHGEQALPKDQQITALGREEPVAIESPGQDLLGESRSEPVVDKPFASCEDSEAPVPAEDGGS  
 DAGMCGLCQKAQLERMGVSGPSGSDLWAGAAVAKPQAKGQLAGGSLLMHCPYGEWGLWWRSDLAPSP  
 SGMAGLSFGTPTLDEPWLGVENDREELQTCLIQUELSQLSLAGALDVPHAELVPTTECQAVTAPVSSCDLG  
 GRDLCCGGCTGSSSACYALATDLPGGLEAVEAQEVDVNSFSWNLKELFFSDQTDQTSNCSCATSELRETP  
 SSLAVGSDPDVGSLEQEGSCVLDDRELLLLTGTCVDLGGQRRFRESCVGHDPTEPLEVCLVSEHYAASD  
 RESPGHVPSTLDAGPEDTCPSAEEPRLNVQVTSTPVIVMRGAAGLQREIQEGAYSGSCYHRDGLRLSIQF  
 EVRRVELQGPTPLFCCWLKDLLHSQRDSAARTRFLASLPGSTHSTAELTGPSLVEVLRARPWFEEPP  
 KAVELEGLAACEGEYSQKYSTMSPGSGAFGFVWTAVDKEKNKEVVKFIKKEKVEDCWIEDPKLGKVT  
 LEIAILSREHANIIVLDIFENQGGFFQLVMEKHGSGLDLFAFIDRHPRLDEPLASYIFRQLVSAVGYLR  
 LKDIHRDIKDENIVIAEDFTIKLIDFGSAAYLERGKLFYTFCTIEYCAPEVLMGNPYRGPELEMWSLG  
 VTLYTLVFEENPFCELEETVEAAIHPPYLVSKEMLSLVSGLLQPVPERRTTLEKLVTDPWVTQPVNLDY  
 TWEEVFRVKNPESGVLASALEMGNRSLSDVAQAQELCGGPVPGAPNGQGCLHPGDPRLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

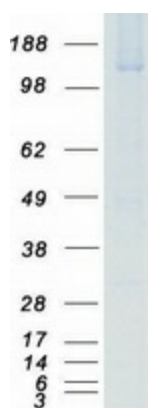
**Tag:** C-Myc/DDK  
**Predicted MW:** 142.7 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_055963</u>
<b>Locus ID:</b>	23178
<b>UniProt ID:</b>	<u>Q96RG2</u>
<b>RefSeq Size:</b>	4588
<b>Cytogenetics:</b>	2q37.3
<b>RefSeq ORF:</b>	3969
<b>Synonyms:</b>	PASKIN; STK37
<b>Summary:</b>	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. [provided by RefSeq, Nov 2011]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified PASK protein (Cat# TP309096). The protein was produced from HEK293T cells transfected with PASK cDNA clone (Cat# [RC209096]) using MegaTran 2.0 (Cat# [TT210002]).