

Product datasheet for PH309096

PASK (NM_015148) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PASK MS Standard C13 and N15-labeled recombinant protein (NP_055963)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209096
Predicted MW:	142.9 kDa
Protein Sequence:	>RC209096 protein sequence Red=Cloning site Green=Tags(s)

MEDGGLTAFEEDQRCLSQLPLPVSAEGPAAQTTAEPSRSFSSAHRHLSRRNGLSRLCQSRTALSEDRWS
SYCLSSLAQNICTSKLHCPAPEHTDPSEPRGSVSCCSLLRGLSSGWSSPLLPAPVCNPNAIFTVDAK
TTEILVANDKACGLLYSSQDLIGQKLTQFFLRSDSDVVEALSEEHMEADGHAAVVFGTVVDIISRSGEK
IPVSVWMKRMQRERRLCCVVVLEPVERVSTWVAFQSDGTVTSCDSLFAHLHGYSGEDVAGQHITDLIPS
VQLPPSGQHHPKLNKIQRVSVGRARDGTTFPLSLKLSQPSSEEATTGEAAPVSGYRASVWVFTISGLIT
LLPDGTIHGINHSFALTLFGYGKTELLGKNITFLIPGFYSYMDLAYNSSQLPDLASCLDVGNESSGGER
TLDPWQGDPAEGGQDPRINNVLAGGHVVRDEIRKLMESQDIFTGTQTELIAGGQLLSCLSPQAPGVD
NVPEGSLPVHGEQALPKDQQITALGREEPVAIESPGQDLLGESRSEPVVKPFASCEDSEAPVPAEDGGS
DAGMCGLCQKAQLERMGVSGPSGDLWAGAAVAKPQAKGQLAGGSLLMHCPCYGEWGLWWRSQLAPSP
SGMAGLSFGTPTLDEPWLVGENDREELQTCLIKEQLSQLSLAGALDVPHAEVPTTECQAVTAPVSSCDLG
GRDLCGGCTGSSSACYALATDLPGGLEAVEAQEVDVNSFSWNLKELFFSDQTDQTSNCSCATSELRETP
SSLAVGSDPDVGSLEQEGSCVLDRELLLLTGTCVDLGGRRFRESCVGHDPTEPLEVCLVSSEHYAASD
RESPGHVPSTLDAGPEDTCSAEPRNLNVQVTSTPVIIVMRGAAGLQREIQEGAYSGSCYHRDGLRLSIQF
EVRRVELQGPTPLFCCWLKDLLHSQRDSAARTRFLASLPGSTHSTAELTGPSLVEVLRARPWFEEPP
KAVELEGLAACEGEYSQKYSTMSPLGSGAFGFVWTAVDKEKNKEVVVKF IKKEKVL EDCWIEDPKLGKVT
LEIAILSRVEHANI IKVLDIFENQGFQLVMEKHGSLDLFAFIDRHPRLDEPLASYIFRQLVSAVGYLR
LKDIIHRDIKDENIVIAEDFTIKLIDFGSAAYLERGKLFYTFCGTIEYCAPEVLMGNPYRGPELEMWSLG
VTLYTLVFEENPFCELEETVEAAIHPPYLVSKELMSLVSGLLQVPVERRTTLEKLVTDPPWVTQPVNLADY
TWEEVFRVKNPESGVL SAASLEMGNRSLSDVAQAQELCGGPVPGAPNGQGCLHPGDPRLTTS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

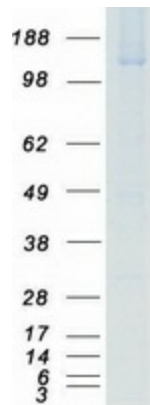
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055963
RefSeq Size:	4588
RefSeq ORF:	3969
Synonyms:	PASKIN; STK37
Locus ID:	23178
UniProt ID:	Q96RG2
Cytogenetics:	2q37.3
Summary:	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]
Protein Families:	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]).