

Product datasheet for TP518778

Pask (NM_080850) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse PAS domain containing serine/threonine kinase (Pask), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218778 representing NM_080850 Red =Cloning site Green =Tags(s)

MEDRGPPVFAEDWKCLSESPVQEGPAAQATFEPKPLSIAHKHLSRKNGLSRLCQSRMALSEDRWSSYC
LSSLAAQNICTSKLHCAAPEYADPTAGPLGSTSCCSLLRGLASGCSGSLSTPVCNPNKAVFTVDAKTT
EILVANDKACSLGYSHDLIGQKLAQFFLKSDSEWEALSEEHVADGHAAVVFGTVVDIVSRIGEKIP
VSVWIKRLQQRGLCCVVLEPVERVSAWVAFQSDGTITSCDSLFAHLHGFTSPKDVWGQCVIDLIPSMQ
LPPPGQHIPKSLKIQRVGRARDGTTFPLSLKLSKPSGRAVADSEAASEPGYQASVWVFTISGLITLL
PDGTIYGVNHSFALMLFGYGKTELLGKNITFLIPGFYHYMDLTYDSSVQLPDLVNCCLDIGRKSQSGEMNS
DAQHNWELASGAQGPRIDVVLARDHMPQSDETLLKLVGGQVSSRTQTRLETGYKILPSSACQPSLGVDSNP
EDGEQSLTDDQSQIPKRNLPAHGGQNQLDTSISLPVLKEHLLSEIQKNISEESPLTHRKWLSKVQQNPT
KGSLLPIHEEQLLFAGQHIHVLGKEDPSAAESYRESLLEESKSKPVDAKLFASCEDEPLVSVKDRGSSVD
TCNLHQEAQLELMGVSSPNPWADATMPEPHTTGQIAGGSLTYCPQYRSEWASQQRGQDSAPSPSGMACVL
LGTPTLDEPWPGVRNDREELQTCCLIKEQLSKSSCEGNLISRVELVPEEHPPTAPVFCDLGGRDLHAS
RSGSSSACYALATDLPGVLEAVEAQEADVNSYSWNLKELFLKDQTDRTPSHCSTTSELEAPSLVVG
DLVDGILHRQTSILVDREMLLLTGTYFDLSEGQRQFQEMGAGHDRAELSNISLVSSEHYETSDIESPGCD
PPLPDPGPNMCLSAEKPRPSAQITSTPVARGATSLQEQIEQGIYSGSCYHRDGLQLSIQFEVKRVELQG
SATLFCCWLKDLFHSRDSATRTRLFLASLPSSTHSMPELSGSSFGVLRKAPWFEEPTPAELEG
CEGEYDYKYNTISPLGSGAFGFVWTAVEKECNKEVVVKFIKKEKVLDCWIEDPKLGRVTLIAILSKVD
HANIIKVLIDIFENQEFFQLVMEKHGSGMDLFAFIDHHPCLDEPLASFIFRQLVSAVGYLHSGIIHRDIK
DENIVIAEDFTIKLIDFGSAAYLERGKLFYFCGTIEYCAPEVLIGNPYRGPPELWMSLGVTLTYLIFEE
NPFCEVEETMEAVIHPFLVSQELMSLLSGLLQPCPEQRTTLEKLRDPWVTQPVNLSYTWEEVCRTNQ
PESGLLSAASLEIGSRSPSEMAQREGLCGPPAPRETRGDQHCLHLKDPPLPVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	151.7 kDa



[View online >](#)

Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_543126
Locus ID:	269224
UniProt ID:	Q8CEE6
RefSeq Size:	5119
Cytogenetics:	1 D
RefSeq ORF:	4149
Synonyms:	mKIAA0135
Summary:	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 to respiratory regulation.[UniProtKB/Swiss-Prot Function]