

Product datasheet for **TP301835M**

RSK3 (RPS6KA2) (NM_021135) Human Recombinant Protein

Product data:

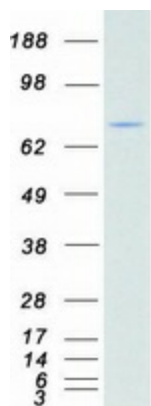
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein S6 kinase, 90kDa, polypeptide 2 (RPS6KA2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201835 protein sequence Red =Cloning site Green =Tags(s)
	<p>MDLSMKKFAVRRFFSVYLRRKSRKSSSLRLEEEGWKEIDISHHVKEGFEKADPSQFELLKVLGQGSY GKVFLVRKVKGSDAGQLYAMKVLKATLKVDRVRSKMERDILAEVNHPFIVKLHYAFQTEGKLYLILDF LRGGDLFTRLSKEVMFTEEDVKFYLAELALALDHLHSLGIYRDLKPENILLDEEGHIKITDFGLSKEAI DHDKRAYSFSGTIEYMAPEVNNRRGHTQSADWWSFGVLMFEMLTGSLPFQKDRKETMALILKAKLGMPQ FLSGEAQSLLRALFKRNPCNRLGAGIDGVVEIKRHPFFVTIDWNTLYRKEIKPPFKPAVGRPEDTFHFDP EFTARTPTDSPGVPPSANAHHLFRGFSFVASSLIQEPSQQLHKVPVHPVQQLHGNNIHFDTGDYIEKED IGVGSYSVCKRCVHKATDTEYAVKIIDKSKRDPSEEIEILLRYGQHPNIITLKDVEDDGFVYLVLMELMR GGELLDRI LRQRYFSEREASDVLCTITKTM DYLSHQGVHRDLKPSNILYRDESGSPESIRVCDFGFAKQ LRAGNLLMTPCYTANFVAPEVLKRQGYDAACDIWSLGILLYTMLAGFTPFANGPDDTPEEILARIGSGK YALSGGNWDSISDAKD VSKMLHVDPHQRLTAMQVLKHPWVVNREYLSPNQLSRQDVHLVKGAMAATYF ALN RTPQAPRLEPVLSSNLAQR RGMKRLTSTRL</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	83.1 kDa
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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
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_066958
Locus ID:	6196
UniProt ID:	Q15349
RefSeq Size:	5817
Cytogenetics:	6q27
RefSeq ORF:	2199
Synonyms:	HU-2; MAPKAPK1C; p90-RSK3; p90RSK2; pp90RSK3; RSK; RSK3; S6K-alpha; S6K-alpha2
Summary:	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternative splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jan 2016]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Long-term potentiation, MAPK signaling pathway, mTOR signaling pathway, Neurotrophin signaling pathway, Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified RPS6KA2 protein (Cat# [TP301835]). The protein was produced from HEK293T cells transfected with RPS6KA2 cDNA clone (Cat# [RC201835]) using MegaTran 2.0 (Cat# [TT210002]).