

Product datasheet for TP311545

RSK4 (RPS6KA6) (NM_014496) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein S6 kinase, 90kDa, polypeptide 6 (RPS6KA6), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211545 representing NM_014496 Red =Cloning site Green =Tags(s)

MLPFAPQDEPWDRMEVFSGGGASSGEVNLKMOVDEPMEEGEADSCHDEGVVKEIPITHHVKEGYEKADP
AQFELLKVLGQGSFGKVLVLRKKTGPDAGQLYAMKVLKASLKVRDRVRTKMERDILVEVNHPIVVKLHY
AFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLAELALALDHLHLQLGIVYRDLKPENILLDEIG
HIKLTDFGLSKESVDQEKKAYSFCGTVEYMAPEVNNRRGHSQSADWWSYGVLMFEMLTGTLFPQGKDRNE
TMNMILKAKLGMPQFLSAEAQSLLRMLFKRNPNANRLGSEGVEEIKRHLFFANIDWDKLYKREVQPPFKPA
SGKPDDTFCFDPEFTAKTPKDSPLPASANAHLQFKGFSFVATSIAEEYKITPITSANVLPVQINGNAA
QFGEVYELKEDIGVGSYSVCKRCHATTNMEFAVKIIDKSKRDPSEEIILMRYGQHPNIIITLKDVFDDG
RYVYLVTDLMKGGELLDRIKQKCFSEREASDILYVISKTVDYLHCQGVVHRDLKPSNILYMDESASADS
IRICDFGFAKQLRGENGLLLTPCYTANFVAPEVLMQQGYDAACDIWVSLGVLVYFYTMLAGYTPFANGPNDTP
EEILLRIGNGKFSLSGGNWDNISDGAKDLLSHMLHMDPHQRYTAEQILKHSWITHRDQLPNDQPKRNDVS
HVVKGAMVATYSALTHKTFQPVLEPVAASSLAQRRSMKKRTSTGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

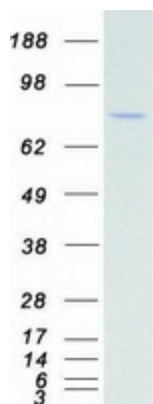
Tag:	C-Myc/DDK
Predicted MW:	83.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_055311
Locus ID:	27330
UniProt ID:	Q9UK32
RefSeq Size:	2640
Cytogenetics:	Xq21.1
RefSeq ORF:	2235
Synonyms:	p90RSK6; PP90RSK4; RSK-4; RSK4; S6K-alpha-6
Summary:	This gene encodes a member of ribosomal S6 kinase family, serine-threonine protein kinases which are regulated by growth factors. The encoded protein may be distinct from other members of this family, however, as studies suggest it is not growth factor dependent and may not participate in the same signaling pathways. [provided by RefSeq, Jan 2010]
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 RPS6KA6 protein (Cat# TP311545). The protein was produced from HEK293T cells transfected with RPS6KA6 cDNA clone (Cat# [RC211545]) using MegaTran 2.0 (Cat# [TT210002]).