

## Product datasheet for TP311545M

### 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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211545 representing NM_014496 Red=Cloning site Green=Tags(s)

MLPFAPQDEPWDRMEVFSGGGASSGEVNLKMKVDEPMEEGEADSCHDEGVVKEIPITHHVKEGYEKADP  
AQFELLKVLGQGSFGKVLVRKKTGPDAGQLYAMKVLKASLKVRDRVRTKMERDILVEVNHPIVVKLHY  
AFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLAELALALDHLHLQGLIVYRDLKPENILLDEIG  
HIKLTDFGLSKESVDQEKKAYSFCGTVEYMAPEVNNRRGHSQSADWWSYGVLMFEMLTGTLPFQGKDRNE  
TMNMILKAKLGMPQFLSAEAQSLLRMLFKRNPANRLGSEGVEEIKRHLLFFANIDWDKLYKREVQPPFKPA  
SGKPDDTFCFDPEFTAKTPKDSPLPASANAHQLFKGFSFVATSIAEEYKITPITSANVLPVQINGNAA  
QFGEVYELKEDIGVGSYSVCKRCHATTNMEFAVKIIDKSKRDPSEEIILMRYGQHPNIIITLKDVFDDG  
RYVYLVTDLMKGGELLDRIKQKCFSEREASDILYVISKTVDYLHCQGVVHRDLKPSNILYMDESASADS  
IRICDFGFAKQLRGENGLLLTPCYTANFVAPEVLMQQGYDAACDIWVSLGVLFYTMLAGYTPFANGPNDTP  
EEILLRIGNGKFSLSGGNWDNISDGAKDLLSHMLHMDPHQRYTAEQILKHSWITHRDQLPNDQPKRNDVS  
HVVKGAMVATYSALTHKTFQPVLEPVAASSLAQRRSMKKRTSTGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

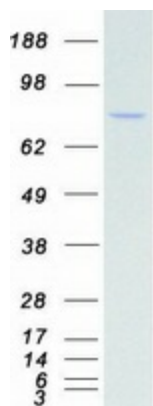
Tag:	C-Myc/DDK
Predicted MW:	83.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<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>	<a href="#">NP_055311</a>
<b>Locus ID:</b>	27330
<b>UniProt ID:</b>	<a href="#">Q9UK32</a>
<b>RefSeq Size:</b>	2640
<b>Cytogenetics:</b>	Xq21.1
<b>RefSeq ORF:</b>	2235
<b>Synonyms:</b>	p90RSK6; PP90RSK4; RSK-4; RSK4; S6K-alpha-6
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	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]).