

## Product datasheet for **TP313645M**

### RPS6KA3 (NM\_004586) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213645 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPLAQLADPWQKMAVESPSDSAENGQQIMDEPMGEEEINPQTEEVSIKEIAITHHVKEGHEKADPSQFEL  
LKVLGQGSFGKVFVVKKISGSDARQLYAMKVLKATLKVRDRVRTKMERDILVEVNHPPFIVKLHYAFQTE  
GKLYLILDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALALDHLHSLGIYRDLKPENILLDEEGHIKLT  
DFGLSKESIDHEKKAYSFCGTVEYMAPEVNRGHTQSADWWSFGVLMFEMLTGTLFPFQGKDRKETMTMI  
LKAKLGMPQFLSPEAQSLRMLFKRNPANRLGAGPDGVEEIKRHSFFSTIDWNKLYRREIHPPFKPATGR  
PEDTFYFDPEFTAKTPKDSPIPPSANAHQLFRGFSFVAITSDDDESQAMQTVGVHSIVQQLHRNSIQFTD  
GYEVKEDIGVGSYSVCKRCHKATNMEFAVKIIDKSKRDPTEEIEILLRYGQHPNIITLKDVEDDGGKVVY  
VWTELMKGGELLDKILRQKFFSEREASAVLFTITKTVEYLHAQGVVHRDLKPSNILYVDESGNPESIRIC  
DFGFAKQLRAENGLLMTPCYTANFVAPEVLKRQGYDAACDIWSLGVLLYTMLTGYTPFANGPDDTPEEIL  
ARIGSGKFSLSGGYWNSVSDTAKDLVSKMLHVDPHQRLTAALVLRHPWIVHWDQLPQYQLNRQDAPHLVK  
GAMAATYSALNRNQPVLPEVGRSTLAQRRIKITSTAL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

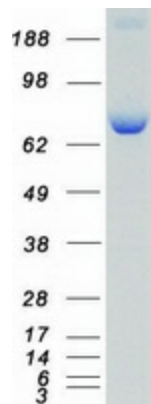
Tag:	C-Myc/DDK
Predicted MW:	83.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_004577</a>
<b>Locus ID:</b>	6197
<b>UniProt ID:</b>	<a href="#">P51812</a> , <a href="#">A0A384MDW3</a>
<b>RefSeq Size:</b>	7723
<b>Cytogenetics:</b>	Xp22.12
<b>RefSeq ORF:</b>	2220
<b>Synonyms:</b>	CLS; HU-3; ISPK-1; MAPKAPK1B; MRX19; p90-RSK2; pp90RSK2; RSK; RSK2; S6K-alpha3
<b>Summary:</b>	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 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. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS). [provided by RefSeq, Jul 2008]
<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 RPS6KA3 protein (Cat# [TP313645]). The protein was produced from HEK293T cells transfected with RPS6KA3 cDNA clone (Cat# [RC213645]) using MegaTran 2.0 (Cat# [TT210002]).