

Product datasheet for **TP312570M**

MSK2 / RSK-B (RPS6KA4) (NM_003942) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein S6 kinase, 90kDa, polypeptide 4 (RPS6KA4), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212570 representing NM_003942 Red =Cloning site Green =Tags(s)

MGDEDDDESCAVELRITEANLTGHEEKVSVENFELLKVLGTGAYGKVFVLRKAGGHDAGKLYAMKVLKKA
ALVQRAKTQEHTRTERSVLELVRQAPFLVTLHYAFQTDAKLHLILDYVSGGEMFTHLYQRQYFKEAEVRV
YGGEIVLALHKLHKLGIYRDLKLENVLLDSEGHIVLTDGFLSKEFLTEEKERTFSCGTIEMAPEIIR
SKTGHGKAVDWWSLGILLFELLTGASPFTELEGERNTQAEVSRRIKCSPPFPFRIGPVAQDLLQRLLCKD
PKKRLGAGPQGAQEVRNHPFFQGLDWVALAARKIPAPFRPQIRSELVGNFAEEFTRLEPVYSPGSPPP
GDPRIFQGYSFVAPSILFDHNNVMTDGLLEAPGAGDRPGRAAVARSAMMQDSPFFQYELDLREPALGQG
SFSVCRRCRQRQSGQEFVAVKILSRRLLEANTQREVAALRLCQSHPNVNLHEVHHDQLHTYLVLELLRGGE
LLEHIRKKRHFSESEASQILRSLVAVSFMHEEAGVHRDLKPENILYADDTGAPVKIIDFGFARLRPQ
SPGVPMQTPCFTLQYAAPELLAQGYDESCDLWVSLGVILYMMLSGQVPFQAGSQQGGQSQAEEIMCKIRE
GRFSLDGEAWQGVSEEAKELVRLGLLTVDPKRLKLEGLRGSSWLQDGSARSSPPLRTPDVLLESSGPAVRS
GLNATFMAFNRGKREGFFLKSVENAPLAKRRKQKLSATASRRGSPAPANPGRAPVASKGAPRRANGPLP
PS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	85.4 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.



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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.

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_003933](#)

Locus ID: 8986

UniProt ID: [O75676](#), [A0PIF8](#)

RefSeq Size: 3149

Cytogenetics: 11q13.1

RefSeq ORF: 2316

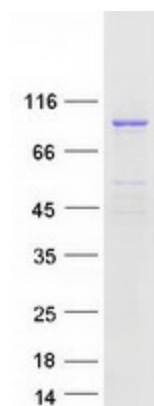
Synonyms: MSK2; RSK-B; S6K-alpha-4

Summary: 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 CREB1 and ATF1. The encoded protein can also phosphorylate histone H3 to regulate certain inflammatory genes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, Protein Kinase, Transcription Factors

Protein Pathways: MAPK signaling pathway, Neurotrophin signaling pathway

Product images:



Coomassie blue staining of purified RPS6KA4 protein (Cat# [TP312570]). The protein was produced from HEK293T cells transfected with RPS6KA4 cDNA clone (Cat# [RC212570]) using MegaTran 2.0 (Cat# [TT210002]).