

Product datasheet for PH312570

MSK2 / RSK-B (RPS6KA4) (NM_003942) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPS6KA4 MS Standard C13 and N15-labeled recombinant protein (NP_003933)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212570
Predicted MW:	85.4 kDa
Protein Sequence:	>RC212570 representing NM_003942 Red=Cloning site Green=Tags(s)

MGDEDDDESCAVELRITEANLTGHEEKVSVENFELLKVLGTGAYGKVFLVRKAGGHDAGKLYAMKVLKKA
ALVQRAKTQEHTRTERSVLELVRQAPFLVTLHYAFQTDAKLHLILDYVSGGEMFTHLYQRQYFKEAEVVRV
YGGIEIVLAEHLHKLGIYRDLKLENVLLDSEGHIVLTDGFLSKEFLTEEKERTFSFCGTIEYMAPEIIR
SKTGHGKAVDWWSLGILLFELLTGASPFTEGERNTQAEVSRRIKLCSPFPFPRIGPVAQDLLQRLLCKD
PKKRLGAGPQGAQEVNRHPPFQGLDWVALAARKIPAPFRPQIRSELDVGNFAEEFTRLEPVYSPGSPPP
GDPRIFFQGYSFVAPSILFDHNNVMTDGLEAPGAGDRPGRAAVARSAMMQDSPFFQQYELDLREPALGQG
SFSVCRRCRQRQSGQEFVAVKILSRRLEANTQREVAALRLCQSHPNVNLHEVHHDQLHTYLLELLRGGE
LLEHIRKKRHFSESEASQILRSLVSAVFMHEEAGVVHRDLKPENILYADDTPGAPVKIIDFGFARLRPQ
SPGVPMQTPCFTLQYAAPELLAQQGYDESCDLWSLGVILYMLSGQVPFQASGGQGSQAAEIMCKIRE
GRFSLDGEAWQGVSEEAKELVRLGLLTVDPKRLKLEGLRGSSWLQDGSARSSPPLRTPDVLESSGPAVRS
GLNATFMFAFNRGKREGFFLKSVENAPLAKRRKQKLRSATASRRGSPAPANPGRAPVASKGAPRRANGPLP
PS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003933



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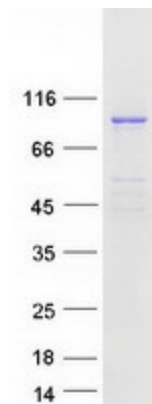
RefSeq Size:	3149
RefSeq ORF:	2316
Synonyms:	MSK2; RSK-B; S6K-alpha-4
Locus ID:	8986
UniProt ID:	Q75676 , A0PJF8
Cytogenetics:	11q13.1

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]).