

Recombinant Human RPS6KA4, His-tagged

Cat. No. RPS6KA4-29913TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 269-572 of Human MSK2 / RSK-B isoform 2 with a N terminal His tag; Pred MWt 34kDa:
Species	Human
Source	E.coli
ProteinLength	269-572 a.a.
Description	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 c-fos. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.
Conjugation	HIS
Form	Lyophilised:reconstitution with 166 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	AQDLLQRLCKDPKKRLGAGPQGAQEVRNHPFFQGLDWVA LAARKIPAPFRPQIRS

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acids

ELDVGNFAEEFTRLEPVYSPPG SPPPGDPRIFQGYSFVAPSILFDHNNNAVMTDGL
 APGA GDRPGRAAVARSAMMQQYELDLREPALGQGSFSVCRRCRQ RQSGQEFV
 KILSRRLAANTQREVAALRLCQSHPNVVN LHEVHHDQLHTYLVLELLRGGELLEHIR
 KKRHFSESEA SQILRSLVSAVSFMHEEAGVVHRDLKPENILYADDTPG APVKIIDFG
 FARLRPQSPGVPMQTPCFTLQYAAP

GENE INFORMATION

Gene Name	RPS6KA4 ribosomal protein S6 kinase, 90kDa, polypeptide 4 [Homo sapiens]
Official Symbol	RPS6KA4
Synonyms	RPS6KA4; ribosomal protein S6 kinase, 90kDa, polypeptide 4; ribosomal protein S6 kinase, 90kD, polypeptide 4; ribosomal protein S6 kinase alpha-4; MSK2; RSK B;
Gene ID	8986
mRNA Refseq	NM_001006944
Protein Refseq	NP_001006945
MIM	603606
Uniprot ID	O75676
Chromosome Location	11q11-q13
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; L1CAM interactions, organism-specific

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biosystem;

Function

ATP binding; magnesium ion binding; mitogen-activated protein kinase p38 binding;
nucleotide binding; protein binding;

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