

Recombinant Human RPS6KA3 Protein, Q400-L740, N-His tagged

Cat. No. RPS6KA3-1147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPS6KA3 protein (Q400-L740) with N-His tag was expressed in <i>E. coli</i> .
Species	Human
Source	<i>E. coli</i>
Protein Length	Q400-L740
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 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).
Molecular Mass	40 kDa
AA Sequence	MHHHHHHENLYFQGQTVGVHSIVQQLHRNSIQFTDGYEVKEDIGVGSYSVCKRCIH KATNMEFAVKIIDKSKRDPTEEIEILLRYGQHPNIITLKD VYDDGKYVYVVT ELMKGGE LLDKILRQKFFSEREASAVLFTITKTVEYLHAQGVVHRDLKPSNILYVDESGNPESIRI CDFGFAKQLRAENGLLMTPCYTANFVAPEVLKRQGYDAACDIWSLGVLLYTM LTGY TPFANGPDDTPEEILARIGSGKFSLSGGYWNSVSDTAKDLVSKMLHVDPHQRLTAAL VLRHPWIVHWDQLPQYQLNRQDAPHLVKGAMAATYSALNRNQSPVLEPVGRSTLA

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	QRRGIKKITSTAL
Endotoxin	< 0.01 EU/μg by LAL
Purity	> 95% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	2.0 mg/mL by BCA
Storage Buffer	Sterile 50mM Tris, 200mM NaCl, 20% Glycerol, pH8.5
GENE INFORMATION	
Gene Name	RPS6KA3 ribosomal protein S6 kinase, 90kDa, polypeptide 3 [Homo sapiens (human)]
Official Symbol	RPS6KA3
Synonyms	RPS6KA3; ribosomal protein S6 kinase, 90kDa, polypeptide 3; CLS, Coffin Lowry syndrome, mental retardation, X linked 19, MRX19, ribosomal protein S6 kinase, 90kD, polypeptide 3; ribosomal protein S6 kinase alpha-3; HU 3; RSK; RSK2; RSK-2; p90-RSK 3; MAPKAPK-1b; S6K-alpha-3; MAPKAP kinase 1b; ribosomal S6 kinase 2; MAPK-activated protein kinase 1b; insulin-stimulated protein kinase 1; MAP kinase-activated protein kinase 1b; CLS; HU-3; MRX19; ISPK-1; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3
Gene ID	6197
mRNA Refseq	NM_004586

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Protein Refseq	NP_004577
MIM	300075
UniProt ID	P51812
Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified RPS6KA3.	1. RPS6KA3 2. BSA