

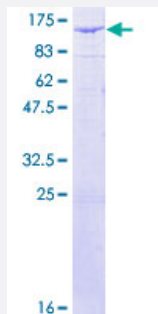
Full-Length

RPS6KA3 (Human) Recombinant Protein (P01)

Catalog # H00006197-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human RPS6KA3 full-length ORF (AAH96303.1, 1 a.a. - 740 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPLAQLADPWQKMAVESPSDSAENGQQIMDEPMGEEEEINPQTEEVSIKEIAITHHVKEGHEKADP
SQFELLKVLGQGSFGKVFLVKKILGSDARQLYAMKVLKKATLKVRDRVRTKMERDILVEVNHPFV
KLHYAFQTEGKLYLILDFLRGGDLFTRLKEVMFTEEDVKFYLAELALALDHLHSLGIYRDLKPENIL
LDEEGHIKLTDFGLSKESIDHEKKAYSFCGTVEYMAPEVVNRRGHTQSADWWWSFGVLMFEMLTG
TLPFQGKDRKETMTMLKAKLGMPQFLSPEAQSLRLMLFKRNPANRLGAGPDGVVEIKRHSFFSTI
DWNKLYRREIHPPFKPATGRPEDTFYFDPEFTAKTPKDSPGIPPSANAHQLFRGFSFVAITSDDDES
QAMQTVGVHSIVQQLHRNSIQFTDGYEVKEDIGVGSYSVCKRCIHKATNMEFAVKIIDKSKRDPTEE
IEILLRYGQHPNIITLKDVYDDGKYVYVVTLMKGGELLDKILRQKFFSEREASAVLFTITKTVEYLHA
QGVVHRDLKPSNILYVDESGNPESIRICDFGFAKQLRAENGLLMTPCYTANFVAPEVLKRQGYDA
ACDWSLGVLLYTMLTGYPFANGPDDTPEEILARIGSGKFSLSGGYWNSVSDTAKDLVSKMLHV
DPHQRLTAALVLRHPWIVHWDQLPQYQLNRQDAPHLVKGAMAATYSALNRNQSPVLEPVGRSTL
AQRGIIKITSTAL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

110.2

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPS6KA3

Entrez GeneID	6197
GeneBank Accession#	BC096303.1
Protein Accession#	AAH96303.1
Gene Name	RPS6KA3
Gene Alias	CLS, HU-3, ISPK-1, MAPKAPK1B, MRX19, RSK, RSK2, S6K-alpha3, p90-RSK2, pp90RSK2
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 3
Omim ID	300075 303600
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinase s. 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]
Other Designations	OTTHUMP00000023036 insulin-stimulated protein kinase 1 mental retardation, X-linked 19 ribosomal protein S6 kinase, 90kD, polypeptide 3

Pathway

- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [mTOR signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)