

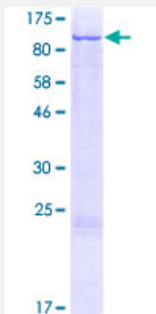
Full-Length

RPS6KA2 (Human) Recombinant Protein (P01)

Catalog # H00006196-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RPS6KA2 full-length ORF (NP_066958.2, 1 a.a. - 733 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDLSMKKFAVRRFFSVYLRRKSRKSSSLRLEEEGVVKEIDISHHVKEGFADPSQFELLKVL
GQGSYGKVFLVRKVKGSDAGQLYAMKVLKKATLKVRDRVRSKMERDILAEVNHPFVKLHYAFQT
EGKLYILDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALDHLHSLGIYRDLKPENILLDEEGHIKI
TDFGLSKEAIDHDKRAYSFCEGTYMAPEVVNRRGHTQSADWWSFGVLMFEMLTGSLPFQGGKDR
KETMALILKAKLGMPQFLSGEAQSLLRALFKRNPCNRLGAGIDGVVEIKRHPFFVTIDWNTLYRKEI
KPPFKPAVGRPEDTFHFDPEFTARTPTDSPGVPPSANAHHLFRGFSFVASSLIQEPSQQDLHKV
PVHPVQQLHGNNIHFTDGYEIKEDIGVGSYSVCKRVCVKATDTEYAVKIIDKSKRDPSEEIEILLRYG
QHPNITLKDVYDDGKFVYLVMELMRGGELLDRILRQRYFSEREASDVLCTITKTMDYLHSQGVVHR
DLKPSNILYRDESGSPESIRVCDGFAKQLRAGNGLLMTPCYTANFVAPEVLKRQGYDAACDIWS
LGILLYTMLAGFTPFANGPDDTPEEILARIGSGKYALSGGNWDSISDAAKDVVSKMLHVDPHQRLT
AMQVLKHPWVWNREYLSPNQLSRQDVHLVKGAMAATYFALNRTPQAPRLEPVLSSNLAQRRGM
KRLTSTRL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

109.6

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 — RPS6KA2

Entrez GeneID	6196
GeneBank Accession#	NM_021135.4
Protein Accession#	NP_066958.2
Gene Name	RPS6KA2
Gene Alias	HU-2, MAPKAPK1C, RSK, RSK3, S6K-alpha, S6K-alpha2, p90-RSK3, pp90RSK3
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 2
Omim ID	601685
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 subst rates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcript ional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	ribosomal S6 kinase 3 ribosomal protein S6 kinase alpha 2 ribosomal protein S6 kinase, 90kD, p olypeptide 2

Pathway

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

Disease

- [Tobacco Use Disorder](#)