

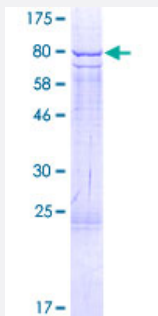
Full-Length

RPS6KB2 (Human) Recombinant Protein (P03)

Catalog # H00006199-P03

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RPS6KB2 full-length ORF (AAH06106.3, 1 a.a. - 482 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAVFDLDLETEEGSEGEPELSPADACPLAELRAAGLEPVGHYEEVELTETSVNVGPERIGP
HSFELLRLVLGKGGYGKVFQVRKVQGTNLGKIYAMKVLKAKIVRNAKDTAHTRAERNILESVKHPFI
VELAYAFQTGGKLYLILECLSGGELFTHLEREGIFLEDTACFYLAETLALGHLHSQGIYRDLKPENIM
LSSQGHKLTDFGLCKESIHEGAVTHTFCGTIEYMAPEILVRSGHNRAVDWWSLGALMYDMLTGSP
PFTAENRKKTMDKIIRGKLALPPYLTPDARDLVKKFLKRNPSSQRIGGGPGDAADVQRHPFFRHMN
WDDLLAWRVDPPFRPCLQSEEDVSQFDTRFTRQTPVDSPDDTALSESANQAFGLGFTYVAPSVL
DSIKEGFSFQPKLRSPRLNSSPRAPVSPLKFSPFEGFRPSPSLPEPTELPLPPLPPPPPPSTTA
PLPIRPPSGTKKSKRGRGRPGR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.8

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 — RPS6KB2

Entrez GeneID[6199](#)**GeneBank Accession#**[BC006106.1](#)**Protein Accession#**[AAH06106.3](#)**Gene Name**

RPS6KB2

Gene Alias

KLS, P70-beta, P70-beta-1, P70-beta-2, S6K-beta2, S6K2, SRK, STK14B, p70(S6K)-beta, p70 S6Kb

Gene Description

ribosomal protein S6 kinase, 70kDa, polypeptide 2

Omim ID[608939](#)**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 nonidentical kinase catalytic domains and phosphorylates the S6 ribosomal protein and eucaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation. [provided by RefSeq]

Other Designations

S6 kinase-related kinase|p70 ribosomal S6 kinase beta|ribosomal protein S6 kinase, 70kD, polypeptide 2|serine/threonine-protein kinase 14 beta

Pathway

- [Acute myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

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