

Bioactive

Full-Length

# RPS6KA2 (Human) Recombinant Protein

Catalog # P6560

Size 5 ug

## Applications

### Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human RPS6KA2 (NP_066958.2, 1 a.a. - 733 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
<b>Host</b>	Viruses
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus expression system.
<b>Purification</b>	Glutathione sepharose chromatography.
<b>Purity</b>	0.9399999999999979
<b>Activity</b>	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescein-labeled substrate and Mg (or Mn)/ATP. Substrate: S6K peptide (N-FL), ATP: 100 uM.
<b>Quality Control Testing</b>	The purity was assessed by SDS-PAGE/CBB staining.
<b>Storage Buffer</b>	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
<b>Storage Instruction</b>	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Result of activity analysis  
Result of activity analysis

## Applications

- Functional Study

## Gene Info — RPS6KA2

Entrez GeneID [6196](#)

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 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. Alternate transcriptional 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, polypeptide 2

## Pathway

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

## Disease

- [Tobacco Use Disorder](#)