

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

Product Description	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.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.9399999999999979
Activity	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.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	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](#)