

Datasheet for ABIN7548999

RPS6KA6 Protein (AA 1-745) (His tag)



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Overview

Quantity:	1 mg
Target:	RPS6KA6
Protein Characteristics:	AA 1-745
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KA6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RPS6KA6 Protein expressed in mammalian cells.
Sequence:	<p>MLPFAPQDEP WDREMEVFSG GGASSGEVNG LKMVDEPMEE GEADSCHDEG VVKEIPITHH</p> <p>VKEGYEKADP AQFELLKVLG QGSFGKVFLV RKKTGPDAGQ LYAMKVLKKA SLKVRDRVRT</p> <p>KMERDILVEV NHPFIVKLHY AFQTEGKLYL ILDFLRGGDV FTRLSKEVLF TEEDVKFYLA</p> <p>ELALALDHLH QLGIVYRDLK PENILLDEIG HIKLTDFGLS KESVDQEKKA YSFCGTVEYM</p> <p>APEVVNRRGH SQSADWWSYG VLMFEMLTGT LPFQGKDRNE TMNMILKAKL GMPQFLSAEA</p> <p>QSLRLMLFKR NPANRLGSEG VEEIKRHLFF ANIDWDKLYK REVQPPFKPA SGKPDDTFCF</p> <p>DPEFTAKTPK DSPGLPASAN AHQLFKGFSF VATSIAEEYK ITPITSANVL PIVQINGNAA</p> <p>QFGEVYELKE DIGVGSYSVC KRCIHATTNM EFAVKIIDKS KRDPSEEIEI LMRYGQHPNI</p> <p>ITLKDVFDG RYVYLVTDL M KGGELLDRIL KQKCFSEREA SDILYVISKT VDYLHCQGVV</p> <p>HRDLKPSNIL YMDESASADS IRICDFGFAK QLRGENGLLL TPCYTANFVA PEVLMQQGYD</p> <p>AACDIWSLGV LFYTMLAGYT PFANGPNDTP EEILLRIGNG KFSLSGGNWD NISDGAKDLL</p>

SHMLHMDPHQ RYTAEQILKH SWITHRDQLP NDQPKRNDVS HVVKGAMVAT YSALTHKTFQ
PVLEPVAASS LAQRRSMKKR TSTGL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

RPS6KA6

Alternative Name:

RPS6KA6 ([RPS6KA6 Products](#))

Background:

Ribosomal protein S6 kinase alpha-6 (S6K-alpha-6) (EC 2.7.11.1) (90 kDa ribosomal protein S6 kinase 6) (p90-RSK 6) (p90RSK6) (Ribosomal S6 kinase 4) (RSK-4) (pp90RSK4), FUNCTION: Constitutively active serine/threonine-protein kinase that exhibits growth-factor-independent kinase activity and that may participate in p53/TP53-dependent cell growth arrest signaling and play an inhibitory role during embryogenesis. {ECO:0000269|PubMed:15042092, ECO:0000269|PubMed:15632195}.

Molecular Weight:

83.9 kDa

UniProt:

[Q9UK32](#)

Target Details

Pathways: [MAPK Signaling](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months