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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RPS6 (Human) Recombinant Protein (P01)

Catalog Number: H00006194-P01

Regulation Status: For research use only (RUO)

Product Description: Human RPS6 full-length ORF (AAH00524, 1 a.a. - 249 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKLNISFPATGCQKLEI VDDERKLRTFYEKRMATEVAA
DALGEEWKG YVVRISGGNDKQG FPMKQGV LTHGRVVR
LLLSKGHSCYRPRRTGERKRKSVRGCIVDANLSVLNL
VIVKKG EKDIPGLTDTTVPRRLGPKRASRIRKLFNLSKE
DDVRQYVVRKPLNKEGKKPRTKAPKIQRLVTPRVLQH
KRRRIALKKQRTKKNKEEAAEYAKLLAKRMKEAKEKR
QEQIAKRRRLSSLRASTSKSESSQK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 53.13

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 6194

Gene Symbol: RPS6

Gene Alias: -

Gene Summary: Ribosomes, the organelles that

catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]

References:

1. Hydroxychloroquine Destabilizes Phospho-S6 in Human Renal Carcinoma Cells. Lee HO, Mustafa A, Hudes GR, Kruger WD. PLoS One. 2015 Jul 2;10(7):e0131464.