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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RPL7A (Human) Recombinant Protein (P01)

Catalog Number: H00006130-P01

Regulation Status: For research use only (RUO)

Product Description: Human RPL7A full-length ORF (NP_000963.1, 1 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MPKGGKAKGKKVAPAPAVVKKQEAKKVVNPLFEKRPK
NFGIGQDIQPKRDLTRFVKWPRYIRLQRQRAILYKRLK
VPPAINQFTQALDRQTATQLLKLAKHYRPETKQEKQ
RLLARA EKKAAGKGDVPTKRPPVLRAGVNTVTLLVEN
KKAQLVVIAHDVDPIELVVFLPALCRKMGVPYCIK GK A
RLGRLVHRKTCTTVAFTQVNSEDKGALAKLVEAIRTN Y
NDRYDEIRRHGWNVLGPKSVARIAKLEKAKAKELAT
KLG

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 56.4

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: 6130

Gene Symbol: RPL7A

Gene Alias: SURF3, TRUP

Gene Summary: Cytoplasmic ribosomes, 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 ribosomal protein that is a component of the 60S subunit. The protein belongs to the L7AE family of ribosomal proteins. It can interact with a subclass of nuclear hormone receptors, including thyroid hormone receptor, and inhibit their ability to transactivate by preventing their binding to their DNA response elements. This gene is included in the surfait gene cluster, a group of very tightly linked genes that do not share sequence similarity. It is co-transcribed with the U24, U36a, U36b, and U36c small nucleolar RNA genes, which are located in its second, fifth, fourth, and sixth introns, respectively. This gene rearranges with the *trk* proto-oncogene to form the chimeric oncogene *trk-2h*, which encodes an oncoprotein consisting of the N terminus of ribosomal protein L7a fused to the receptor tyrosine kinase domain of *trk*. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]