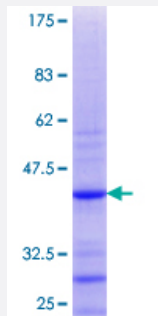


RPS27A (Human) Recombinant Protein (Q01)

Catalog # H00006233-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human RPS27A partial ORF (NP_002945.1, 57 a.a. - 156 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SDYNIQKESTLHLVLRLRGGAKKRKKKSYPKPKKNKHKKVLAFLKYYKVDENGKISRLRRECP SDECGAGVFMASHFDRHYCGKCCLTYCFNKPEDK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPS27A

Entrez GeneID [6233](#)

GeneBank Accession# [NM_002954](#)

Protein Accession# [NP_002945.1](#)

Gene Name RPS27A

Gene Alias CEP80, HUBCEP80, UBA80, UBCEP1, UBCEP80

Gene Description ribosomal protein S27a

Omim ID [191343](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Ubiquitin, a highly conserved protein that has a major role in targeting cellular proteins for degradation by the 26S proteasome, is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin fused to an unrelated protein. This gene encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein S27a at the C terminus. When expressed in yeast, the protein is post-translationally processed, generating free ubiquitin monomer and ribosomal protein S27a. Ribosomal protein S27a is a component of the 40S subunit of the ribosome and belongs to the S27AE family of ribosomal proteins. It contains C4-type zinc finger domains and is located in the cytoplasm. Pseudogenes derived from this gene are present in the genome. As with ribosomal protein S27a, ribosomal protein L40 is also synthesized as a fusion protein with ubiquitin; similarly, ribosomal protein S30 is synthesized as a fusion protein with the ubiquitin-like protein fubi. Multiple alternatively spliced transcript variants that encode the same proteins have been identified.[provided by RefSeq]

Other Designations 40S ribosomal protein S27a|ubiquitin and ribosomal protein S27a|ubiquitin carboxyl extension protein 80|ubiquitin-CEP80

Pathway

- [Ribosome](#)