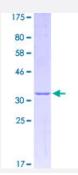


Full-Length

RPS27A (Human) Recombinant Protein (P02)

Catalog # H00006233-P02 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human RPS27A full-length ORF (AAH01392, 1 a.a 156 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGRTLSDYNIQKESTLHL VLRLRGGAKKRKKKSYTTPKKNKHKRKKVKLAVLKYYKVDENGKISRLRRECPSDECGAGVFMA SHFDRHYCGKCCLTYCFNKPEDK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.9
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 GenelD	6233
GeneBank Accession#	BC001392
Protein Accession#	AAH01392
Gene Name	RPS27A
Gene Alias	CEP80, HUBCEP80, UBA80, UBCEP1, UBCEP80
Gene Description	ribosomal protein S27a
Omim ID	191343
Gene Ontology	<u>Hyperlink</u>
Gene Summary	Ubiquitin, a highly conserved protein that has a major role in targeting cellular proteins for degrad ation by the 26S proteosome, is synthesized as a precursor protein consisting of either polyubiqui tin chains or a single ubiquitin fused to an unrelated protein. This gene encodes a fusion protein c onsisting of ubiquitin at the N terminus and ribosomal protein S27a at the C terminus. When expre ssed 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 ribo some 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 ubiquit in-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