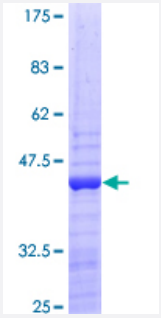
Full-Length

RPS14 (Human) Recombinant Protein (P03)

Catalog # H00006208-P03 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RPS14 full-length ORF (AAH20515, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAPRKGKEKKEEQVISLGPQVAEGENVFGVCHIFASFNDTFVHVTDLSGKETICRVTGGMKVKA DRDESSPYAAMLAAQDVAQRCKELGITALHIKLRATGGNRTKTPGPGAQSALRALARSGMKIGRIE DVTPIPSDSTRRKGGRRGRRL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.35
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 — RPS14

Entrez GeneID	6208
GeneBank Accession#	BC020515
Protein Accession#	AAH20515
Gene Name	RPS14
Gene Alias	EMTB
Gene Description	ribosomal protein S14
Omim ID	130620
Gene Ontology	Hyperlink
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 ribosomal protein that is a component of the 40S subunit. The protein belongs to the S11P family of ribosomal proteins. It is located in the cytoplasm. Transcript variants utilizing alternative transcription initiation sites have been described in the literature. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. In Chinese hamster ovary cells, mutations in this gene can lead to resistance to emetine, a protein synthesis inhibitor. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	40S ribosomal protein S14|emetine resistance

Disease

- Anemia