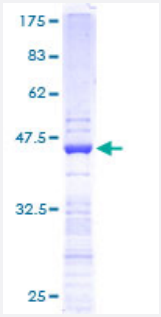
Full-Length

RPS19 (Human) Recombinant Protein (P01)

Catalog # H00006223-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RPS19 full-length ORF (AAH00023, 1 a.a. - 145 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	MPGVTVKDVNQQEFVRALAAFLKKSGKLKVPEWVDTVKLAKHKELAPYDENWFYTRAASTARH LYLRGGAGVGSMTKIYGGRQRNGVMPSHFSRGSKSVARRVLQALEGLKMVEKDQDGGRKLTPQ GQRDLDRIAGQVAAANKKH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.69
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 — RPS19

Entrez GeneID	6223
GeneBank Accession#	BC000023
Protein Accession#	AAH00023
Gene Name	RPS19
Gene Alias	DBA
Gene Description	ribosomal protein S19
Omim ID	105650 603474
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 S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq
Other Designations	40S ribosomal protein S19|Diamond-Blackfan anemia

Pathway

- Ribosome

Disease

- Anemia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- Multiple Myeloma
- Occupational Diseases