

Recombinant Human RPS19 Protein, His-tagged

Cat. No. RPS19-693H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPS19(Pro2-His145) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-145 a.a.
Description	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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl,

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	pH 7.4. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Molecular Mass	16.1 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein to the desired concentration in proper buffer.
GENE INFORMATION	
Gene Name	RPS19 ribosomal protein S19 [Homo sapiens]
Official Symbol	RPS19
Synonyms	RPS19; ribosomal protein S19; 40S ribosomal protein S19; DBA; Diamond Blackfan anemia; S19; DBA1;
Gene ID	6223
mRNA Refseq	NM_001022
Protein Refseq	NP_001013
MIM	603474
UniProt ID	P39019

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