

Recombinant Human RPS19 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RPS19-2258H Lot. No. (See product label)

SPECIFICATION

Product Overview	RPS19 MS Standard C13 and N15-labeled recombinant protein (NP_001013) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	16.1 kDa

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AA Sequence	MPGVTVKDVNQQEFVRALAAFLKKSGKLVPEWVDTVKLAKHKELAPYDENWFYT RAASTARHLYLRGGAGVGSMTKIYGGRQNRNGVMPSHFSRGSKSVARRVLQALEGL KMVEKDQDGGKRLTPQGQRDLRIAGQVAAANKKHTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RPS19 ribosomal protein S19 [Homo sapiens (human)]
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

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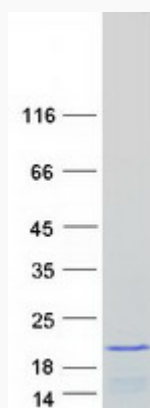
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MIM 603474

UniProt ID P39019

SDS-PAGE



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