

Product datasheet for **TP305803M**

RPS19 (NM_001022) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein S19 (RPS19), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC205803 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MPGVTVKDVNQEFVRALAAFLKKSGLKVPWVDTVKLAKHKELAPYDENWFYTRAASTARHLYLRGGA
GVGSMTKIYGGRQRNGVMPSHFSSRGSKSVARRVLQALEGLKMVEKDQDGGKLTPOGQRDLDRAGQVAA
ANKKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	15.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001013
Locus ID:	6223
UniProt ID:	P39019 , B0ZBD0
RefSeq Size:	872



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Cytogenetics: 19q13.2

RefSeq ORF: 435

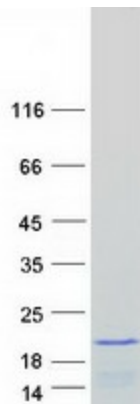
Synonyms: DBA; DBA1; eS19; LOH19CR1; S19

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, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Ribosome

Product images:



Coomassie blue staining of purified RPS19 protein (Cat# [TP305803]). The protein was produced from HEK293T cells transfected with RPS19 cDNA clone (Cat# [RC205803]) using MegaTran 2.0 (Cat# [TT210002]).