

Recombinant Human RPS24

Cat. No. RPS24-31338TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RPS24, isoform 2 (amino acids 1-130) with N terminal proprietary tag, 40.37 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	130 amino acids
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 S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Mutations in this gene result in Diamond-Blackfan anemia.
Molecular Weight	40.370kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MNDTVTIRTRKFMTNRLLQRKQMVIDVLHPGKATVPKTEI REKLAKMYKTTDPDVIFVF GFRTHFGGGKTTGFGMIYDSL D YAKKNEPKHRLARHGLYEKKKTSRKQRKERKNR MKKVRGT AKANVGAGKK

GENE INFORMATION

Gene Name	RPS24 ribosomal protein S24 [Homo sapiens]
Official Symbol	RPS24
Synonyms	RPS24; ribosomal protein S24; 40S ribosomal protein S24; S24;
Gene ID	6229
mRNA Refseq	NM_033022
Protein Refseq	NP_148982
MIM	602412
Uniprot ID	P62847
Chromosome Location	10q22
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation

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Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem;

Function

nucleotide binding; structural constituent of ribosome; translation initiation factor binding;

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