

## Recombinant Human RPS24

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human RPS24, isoform 2 (amino acids 1-130) with N terminal proprietary tag, 40.37 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	130 amino acids
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	40.370kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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

## GENE INFORMATION

<b>Gene Name</b>	RPS24 ribosomal protein S24 [ Homo sapiens ]
<b>Official Symbol</b>	RPS24
<b>Synonyms</b>	RPS24; ribosomal protein S24; 40S ribosomal protein S24; S24;
<b>Gene ID</b>	6229
<b>mRNA Refseq</b>	NM_033022
<b>Protein Refseq</b>	NP_148982
<b>MIM</b>	602412
<b>Uniprot ID</b>	P62847
<b>Chromosome Location</b>	10q22
<b>Pathway</b>	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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