

Recombinant Human RPL29

Cat. No. RPL29-30440TH Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant fragment of Human RPL29 with N-terminal proprietary tag. Predicted MW 33.88 kDa.

Species Human

Source Wheat Germ

ProteinLength 75 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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L29E family of ribosomal proteins. The protein is also a peripheral membrane protein expressed on the cell surface that directly binds heparin. Although this gene was previously reported to map to 3q29-qter, it is believed that it is located at 3p21.3-p21.2. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Molecular Weight 33.880kDa inclusive of tags

Form Liquid

Purity Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAKSKNHTTHNQSRKWHRNGIKKPRSQRYESLKGVDPKFLRNMRFAKKHNKKGLK KMQANNAKAMSARAEAIKAL
Sequence Similarities	Belongs to the ribosomal protein L29e family.

GENE INFORMATION

Gene Name	RPL29 ribosomal protein L29 [Homo sapiens]
Official Symbol	RPL29
Synonyms	RPL29; ribosomal protein L29; 60S ribosomal protein L29; cell surface heparin binding protein HIP; heparin/heparan sulfate binding protein; heparin/heparan sulfate interacting protein; HIP; HP/HS interacting protein; HUMRPL29; L29;
Gene ID	6159
mRNA Refseq	NM_000992
Protein Refseq	NP_000983
MIM	601832
Uniprot ID	P47914
Chromosome	3p21.3-p21.2

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Location**Pathway**

Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem;

Function

RNA binding; heparin binding; structural constituent of ribosome;

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