

Recombinant Human RPS15

Cat. No. RPS15-29467TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RPS15 with N terminal proprietary tag; Predicted MWt 42.06 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	145 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 S19P family of ribosomal proteins. It is located in the cytoplasm. This gene has been found to be activated in various tumors, such as insulinomas, esophageal cancers, and colon cancers. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Molecular Weight	42.060kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAEVEQKKKRTFRKFTYRGVDLDQLLDMSYEQLMQLYSAR QRRRLNRGLRRKQH SLLKRLRKAKKEAPPM EKPEVVKTHL RDMILPEMVGSMVGVYNGKTFNQVEIKPE MIGHYLGEFS ITYKPVKHGRPGIGATHSSRFIPLK
Sequence Similarities	Belongs to the ribosomal protein S19P family.
GENE INFORMATION	
Gene Name	RPS15 ribosomal protein S15 [Homo sapiens]
Official Symbol	RPS15
Synonyms	RPS15; ribosomal protein S15; 40S ribosomal protein S15; homolog of rat insulinoma; insulinoma protein; MGC111130; RIG; S15;
Gene ID	6209
mRNA Refseq	NM_001018
Protein Refseq	NP_001009
MIM	180535
Uniprot ID	P62841
Chromosome Location	19p13.3

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

Function

DNA binding; RNA binding; structural constituent of ribosome;

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