

Recombinant Human RPS21 cell lysate

Cat. No. RPS21-1542HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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 S21E family of ribosomal proteins. It is located in the cytoplasm. Alternative splice variants that encode different protein isoforms have been described, but their existence has not been verified. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	RPS21 ribosomal protein S21 [Homo sapiens]
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Official Symbol	RPS21
Synonyms	RPS21; ribosomal protein S21; 40S ribosomal protein S21; 8.2 kDa differentiation factor; S21;
Gene ID	6227
mRNA Refseq	NM_001024
Protein Refseq	NP_001015
MIM	180477
UniProt ID	P63220
Chromosome Location	20q13.3
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; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem;
Function	molecular_function; protein N-terminus binding; structural constituent of ribosome; structural constituent of ribosome;

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