Recombinant Human RPL29 cell lysate

Cat. No. RPL29-1539HCL **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 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.
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	RPL29 ribosomal protein L29 [Homo sapiens]

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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; HP/HS-interacting protein; ribosomal protein YL43 homologue; heparin/heparan sulfate-binding protein; cell surface heparin-binding protein HIP; heparin/heparan sulfate-interacting protein; MGC88589;
Gene ID	6159
mRNA Refseq	NM_000992
Protein Refseq	NP_000983
MIM	601832
UniProt ID	P47914
Chromosome Location	3p21.3-p21.2
Pathway	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; Formation of a pool of free 40S subunits, organism-specific biosystem;
Function	RNA binding; heparin binding; structural constituent of ribosome;

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