

Recombinant Human ribosomal protein, large, P0

Cat. No. RPLP0-198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ribosomal Phosphoprotein P0 (His-tagged) produced in <i>Sf9</i> is a glycosylated, polypeptide chain. The protein has a molecular mass of 35,096 dalton. The protein is purified by proprietary chromatographic techniques.
Species	Human
Source	Sf9 Cells
Description	The ribosomal phosphoproteins, also called P protein antigens, are associated with the large ribosomal subunit and therefore are antigenic targets with a cytoplasmic localization. Three P proteins have been described: P0 with a molecular weight of 35 kDa, P1 (19 kDa) and P2 (17 kDa). Autoantibodies against ribosomal P proteins are present in 10 % of SLE patients. If anti-ribosomal P antibodies were to occur in the absence of other typical SLE associated autoantibodies, they may account for some patients with so-called ANA-negative lupus. It has been reported that lupus patients positive for anti-ribosomal P autoantibodies have a high frequency of CNS involvement, suggesting a marker use for these antibodies.
Formulation	Recombinant Human Ribosomal Phosphoprotein P0 is supplied at a of 0.9mg/ml in 20mM HEPES buffer pH-7.5, 0.01 mM EDTA. 0.02% SDS.
Immunological Functions	1. Binds IgG-type human auto-antibodies. 2. Standard ELISA test (checker-board analysis of positive/negative sera panels.
Applications	Western-Blot with monoclonal anti-hexa-His-tag antibody & SLE sera (Systemic

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	Lupus Erythematoses Disease).
Purity	Greater than 80% (SDS-PAGE).
Coating Concentration	0.3-0.7 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.
Storage Conditions	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	RPLP0 ribosomal protein, large, P0 [Homo sapiens]
Synonyms	RPLP0; ribosomal protein, large, P0; P0; L10E; RPP0; PRLP0; MGC88175; MGC111226; RPLP0; 60S acidic ribosomal protein P0; acidic ribosomal phosphoprotein P0; ribosomal protein P0; ribosomal protein, large, P0
Gene ID	6175
mRNA Refseq	NM_001002
Protein Refseq	NP_000993
MIM	180510
UniProt ID	P05388
Chromosome Location	12q24.2

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Pathway	Ribosome; Gene Expression; Influenza Infection; Metabolism of proteins
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Function	RNA binding;protein binding;structural constituent of ribosome
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