

RPLP0

Recombinant Human Ribosomal Phosphoprotein P0 His

Catalog No.	CRR113A	Quantity:	5 µg
	CRR113B		20 µg
	CRR113C		1.0 mg

Alternate Names: 60S acidic ribosomal protein P0, Ribosomal Phosphoprotein P0, L10E, RPLP0, Ribosomal Protein Large P0, RPP0, P0, PRLP0.

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). RPLP0 is a ribosomal protein that is a component of the 60S subunit. RPLP0 belongs to the L10P family of ribosomal proteins. RPLP0 is a neutral phosphoprotein having a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 & P2. The P0 protein interacts with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of RPLP0 scattered throughout the genome. 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. Ribosomal Phosphoprotein P0 Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 35,096 Dalton. RPLP0 is expressed with a 6x-His tag and purified by proprietary chromatographic techniques.

GeneID: 6175

Source: Sf9 insect cells

Molecular Weight: 35 kDa, P1 (19 kDa) and P2 (17 kDa)

Formulation: RPLP0 is supplied in 20 mM HEPES buffer, pH 7.5, + 0.01 mM EDTA + 0.02% SDS.

Purity: > 80% as determined by SDS-PAGE.

Applications: Binds IgG-type human auto-antibodies.
Western-Blot with monoclonal anti-hexa-His-tag antibody & SLE sera (Systemic Lupus Erythematosus).
Standard ELISA test (checker-board analysis of positive/negative sera panels. Dilution: 0.3-0.7 µg/ml (depending on the type of plate and coating buffer))



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0.5-0.7 µg/ml (depending on the type of plate and coating buffer).
Suitable for biotinylation and iodination.

Storage & Stability: 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.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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