
Product Data Sheet

Product Name: RPLP0 Human
Cat. No.: GP24423
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	60S acidic ribosomal protein P0; Ribosomal Phosphoprotein P0; L10E; RPLP0; Ribosomal Protein Large P0; RPP0; P0; PRLP0; MGC88175; MGC111226.		
Formulation	RPLP0 is supplied in 20mM HEPES buffer pH-7.5, 0.01mM EDTA & 0.02% SDS.		

Introduction

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.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

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 -6xHis tag and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA