

32-4692: Recombinant Human Ribosomal Phosphoprotein P2

Alternative Name : Ribosomal protein large P2,RPP2,MGC71408,P2,Renal carcinoma antigen NY-REN-44,D11S2243E,60S acidic ribosomal protein P2,Acidic Ribosomal phosphoprotein P2.

Description

Source : Escherichia Coli. RPLP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 139 amino acids (1-115 a.a.) and having a molecular mass of 14.2kDa.RPLP2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ribosomes, the organelles which catalyze protein synthesis, contain a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and nearly 80 structurally distinct proteins. This gene encodes a ribosomal phosphoprotein which is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, is a member of the L12P family of ribosomal proteins and has a vital part in the elongation step of protein synthesis. In opposed to most ribosomal proteins, which are basic, the encoded protein is acidic.The P1 C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P2. The P1 protein can interact with P0 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. P1 is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene distributed all over the genome.

Product Info

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| Amount : | 20 µg |
| Purification : | Greater than 95% as determined by SDS-PAGE. |
| Content : | RPLP2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol. |
| Storage condition : | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| Amino Acid : | MGSSHHHHHH SSGLVPRGSH MGSMMRYVAS YLLAALGGNS SPSAKDIKKI LDSVGEADD DRLNKVISEL NGKNIEDVIA QGIGKLASVP AGGAVAVSAA PGSAAPAAGS APAAAEEKKD EKKEESEESD DDMGFGLFD |