Recombinant Human RPLP1 protein (His,GST Tag)

Catalog Number: PDEH100992

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

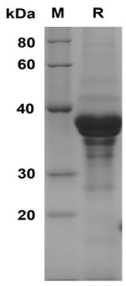
Description

Species	Human
Source	E.coli-derived Human RPLP1 protein Met1-Asp114, with an N-terminal GST & C-terminal His
Calculated MW	37.4 kDa
Observed MW	38 kDa
Accession	P05386
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human RPLP1 proteins, 2μg/lane of Recombinant Human RPLP1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 38 KD.

Background

RPLP1 (ribosomal protein large P1) is part of the 60S ribosomal subunit and functions in regulating elongation translation factors, and its expression is regulated by the estrogen target gene, c-Myc. RPLP1 has two alternatively spliced transcript variants that encode different proteins, with variant 1 coding for a protein of ~12-kDa molecular weight and variant 2 coding for an ~8.4-kDa protein, and the variant 1-transcribed protein appears as the major isoform. RPLP1 is proposed to play a role in diseases associated with cell proliferation and cell survival.