Recombinant human RPL8 protein

Catalog Number: ATGP1442

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-257aa

UniProt No.
P62917

NCBI Accession No.
NP_000964

Alternative Names
60S ribosomal protein L8, L8

PRODUCT SPECIFICATION

Molecular Weight
30.1 kDa (277aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 50% glycerol, 300mM NaCl, 2mM EDTA

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
RPL8 (60S ribosomal protein L8) belongs to the ribosomal protein L2P family. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. The protein belongs to the L2P family of ribosomal proteins. It is located in the cytoplasm and exists as a component of the 60S subunit where it is thought to play a role in aminoacyl-tRNA binding, specifically at the ribosomal subunit interface. Recombinant human RPL8 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Recombinant human RPL8 protein

Catalog Number: ATGP1442

Amino acid Sequence

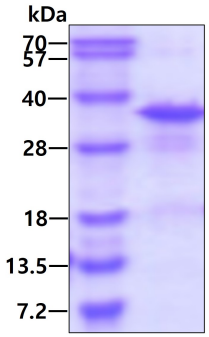
<MGSSHHHHHH SSGLVPRGSH> MGRVIRGQRK GAGSVFRAHV KHRKGAARLR AVDFAERHGY IKGIVKDIIH DPGRGAPLAK VVFRDPYRFK KRTELFIAAE GIHTGQFVYC GKKAQLNIGN VLPVGTMPEG TIVCCLEEKP GDRGKLARAS GNYATVISHN PETKKTRVKL PSGSKKVISS ANRAVVGVVA GGGRIDKPIL KAGRAYHKYK AKRNCWPRVR GVAMNPVEHP FGGGNHQHIG KPSTIRRDAP AGRKVGLIAA RRTGRLRGTK TVQEKEN

General References

Kenmochi, N., et al. (1998) Genome Res. 8: 509-523.
Hanes J, et al. (1994) Biochem Biophys Res Commun 197 (3): 1223-8.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.