

RPL11, 1-178aa, Human, His tag, E.coli

Cat.NO.: TP03767

3th Edition

Synonyms:Ribosomal protein L11, DBA7, GIG34, L11

Description:Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPL11 is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L5P family of ribosomal proteins. It is located in the cytoplasm. The protein probably associates with the 5S rRNA. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Recombinant human RPL11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 2mM EDTA, 250mM Imidazole

Molecular Weight:22.6kDa (201aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMADQGEKENPMRELRIKLCCLNICVGESGDRLTRAAKVLEQLTGQTPVFS
KARYTVRSFGIRRNEKIAVHCTVRGAKAEIILEKGLKVREYELRKNNFSDTGNFGFGIQEHIDLGKIDPSIGIYGLDF
YVVLGRPGFSIADKKRRTGCIGAKHRISKEEAMRWFQKKYDGIILPGK

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by BRADFORD assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.