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## Product Data Sheet

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Product Name: RPL8 Human  
 Cat. No.: GP24412  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	60S ribosomal protein L8; RPL8; L8.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGRVIRGQRK GAGSVFRAHV KHRKGAARLR AVDFAERHGY IKGIVKDIIH DPGRGAPLAK VVFRDPYRFK KRTELFIAAE GIHTGQFVYC GKKAQLNIGN VLPVGTMPEG TIVCCLEEKP GDRGKLARAS GNYATVISHN PETKKTRVKL PSGSKKVISS ANRAVVGVA GGGRIDKPIL KAGRAYHKYK AKRNCWPRVR GVAMNPVEHP FGGGNHQHIG KPSTIRRDAP AGRKVGLIAA RRTGRLRGTK TVQEKEN.		
Formulation	RPL8 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 50% glycerol, 300mM NaCl and 2mM EDTA.		

### Introduction

60S ribosomal protein L8 (RPL8) is a member of the ribosomal protein L2P family. Ribosomes consist of a small 40S subunit and a large 60S subunit. RPL8 is found in the cytoplasm and exists as a component of the 60S subunit where it is assumed to have role in aminoacyl-tRNA binding, specifically at the ribosomal subunit interface. In rats, the RPL8 protein connects with the 5.8S rRNA, and possibly participates in the binding of aminoacyl-tRNA, and is a component of the elongation factor 2-binding site at the ribosomal subunit interface.

### 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RPL8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 277 amino acids (1-257 a.a) and having a molecular mass of 30.2kDa. RPL8 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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