
Product Data Sheet

Product Name: RPL31 Human
 Cat. No.: GP24419
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribosomal Protein L31; 60S Ribosomal Protein L31; L31;MMRPS32; MRPL42.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAPAKKG GEKKKGRSAI NEVTREYTI NIHKRIHGVG FKKRAPRALKEIRKFAMKEM GTPDVRIDTR LNKAVWAKGI RNVPIRIRVR LSRKRNEDED SPNKLYTLVT YVPVTTFKNLQTVNVN DEN		
Formulation	RPL31 protein solution (0.25mg/ml) containing 20mMTris-HCl buffer (pH8.0), 0.2M NaCl, 1mM DTT and 50% glycerol.		

Introduction

Ribosomes are the organelles which catalyze protein synthesis and composed of a small and a large subunit that consist of over 80 different ribosomal proteins. RPL31, a member of the L31E family of ribosomal proteins, is a component of the 60S subunit ribosome protein located in the cytoplasm. High levels of expression of RPL31 were detected in familial adenomatous polyps. Multiple processed pseudogenes of this gene were detached through the genome, as is typical for genes encoding ribosomal proteins.

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). Please avoid freeze thaw cycles.

Background

RPL31 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain topological domain containing 148 amino acids (1-125 a.a) and having a molecular mass of 16.9kDa. RPL31 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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