
Product Data Sheet

Product Name: MRPL2 Human
 Cat. No.: GP23954
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	39S ribosomal protein L2; mitochondrial ; CGI-22;MRP-L14; RPML14; L2mt; MRP-L2; CGI-22.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSGRDHTGR IRVHGIGGGH KQRYRMIDFL RFRPEETKSG PFEEKVIQVRYDPCRSADIA LVAGGSRKRW IIATENMQAG DTILNSNHIG RMAVAAREGD AHPLGALPVG TLINNVESSEP GR.		
Formulation	MRPL2 protein solution (0.25mg/ml) containing 20mM Phosphate buffer (pH 8.0), 1mM EDTA, 50% glycerol and 2mM DTT.		

Introduction

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and aid in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) comprised of a small 28S subunit and a large 39S subunit. Among different species, the proteins comprising the mitoribosome vary greatly in sequence, and sometimes in biochemical properties, thus preventing simple recognition by sequence homology. Mitochondrial Ribosomal Protein L2 (MRPL2) is a 39S subunit protein which is a member of the EcoL2 ribosomal protein family.

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

MRPL2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 142 amino acids (84-202 a.a) and having a molecular mass of 15.5kDa. MRPL2 is fused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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