
Product Data Sheet

Product Name: RPL35A Human

Cat. No.: GP24422

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribosomal Protein L35a; Cell Growth-Inhibiting Gene 33 Protein; 60S Ribosomal Protein L35a; DBA5; L35A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGRLWS KAIFAGYKRG LRNQREHTAL LKIEGVYARD ETEFYLGKRC AYVYKAKNNT VTPGGKPNKT RVIWGKVTRA HGNSGMVRAK FRSNLPKAI GHRIRVMLYP SRI		
Formulation	The RPL35A solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Ribosomes, the organelles which catalyze protein synthesis, contain a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and nearly 80 structurally different proteins. RPL35A is a component of the 60S subunit of the ribosomal protein and a member of the L35AE family of ribosomal proteins. RPL35A is situated in the cytoplasm. The rat protein is known to bind to both initiator and elongator tRNAs, therefore, it is located at the P site, or P and A sites, of the ribosome. Though RPL35A was initially mapped to chromosome 18, it has been proven that it is located at 3q29-qter. Transcript variants utilizing alternative transcription initiation sites and alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are several processed pseudogenes of this gene spread all over the genome.

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

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

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RPL35A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 133 amino acids (1-110) and having a molecular mass of 14.9kDa. RPL35A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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