

Recombinant Human MRPS35 Protein, GST/His-tagged

Cat. No. MRPS35-1944H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MRPS35 protein, fused to GST-tagged at N-terminus and His-tagged at C-terminus, was expressed in E. coli
Species	Human
Source	E.coli
Description	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that has had confusing nomenclature in the literature. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Pseudogenes corresponding to this gene are found on chromosomes 3p, 5q, and 10q. [provided by RefSeq, Jul 2010].
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	62.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name MRPS35 mitochondrial ribosomal protein S35 [Homo sapiens]

Official Symbol MRPS35

Synonyms HDCMD11P; MDS023; MRP-S28; MRPS28

Gene ID 60488

mRNA Refseq NM_021821

Protein Refseq NP_068593

MIM 611995

UniProt ID P82673

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