

Recombinant Human MRPS35

Catalog No: #GP13297



Package Size: #GP13297-1 100ug

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Description

Product Name	Recombinant Human MRPS35
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 124-323 amino acids of human MRPS35
Target Name	mitochondrial ribosomal protein S35
Other Names	MDS023; MRPS28; MRP-S28; HDCMD11P
Accession No.	Swissprot:P82673Gene Accession:BC015862
Uniprot	P82673
GeneID	60488;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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