

Recombinant Full Length Human MRPS30 Protein, GST-tagged

Cat. No. MRPS30-6500HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS30 full-length ORF (AAH07735, 1 a.a. - 439 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	439 amino acids
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 is similar to the chicken pro-apoptotic protein p52. Transcript variants using alternative promoters or polyA sites have been mentioned in the literature but the complete description of these sequences is not available. [provided by RefSeq]
Molecular Mass	74.03 kDa
AA Sequence	MAAARCWRPLLGRPRLSLHTAANAAATATETTCQDVAATPVARYPPIVASMTADSK

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AARLRRIERWQATVHAAESVDEKLRILTKMQFMKYMVYPQTFALNADRWYQYFTKT
VFLSGLPPPPAEPEPEPEPEPEPALDLAALRAVACDCLLQEHFYLRRRRRRVHRYEES
EVISLPFLDQLVSTLVGLLSPHNPAALAAAALDYRCPVHFYWVRGEEIIPRGHRRGRID
DLRYQIDDKPNNQIRISKQLAEFVPLDYSVPIEPTIKCKPKDKLPLFKRQYENHIFVGSK
TADPCCYGHTQFHLLPDKLRRERLLRQNCADQIEVVFRANAISLFAWTGAQAMYQ
GFWSEADVTRPFVSVQAVITDGKYFSFFCYQLNTLALTQADQNNPRKNICWGTQSK
PLYETIEDNDVKGFNDVLLQIVHLLNRPKEEKSQLEN

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MRPS30 mitochondrial ribosomal protein S30 [Homo sapiens]

Official Symbol

MRPS30

Synonyms

MRPS30; mitochondrial ribosomal protein S30; PDCD9; 28S ribosomal protein S30, mitochondrial; PAP; programmed cell death 9; S30mt; MRP-S30; DKFZp566B2024;

Gene ID

10884

mRNA Refseq

NM_016640

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Protein Refseq	NP_057724
MIM	611991
UniProt ID	Q9NP92

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