

Recombinant Human MRPS30 Protein, GST-tagged

Cat. No. MRPS30-5618H **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	Wheat Germ
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	MAAARCWRPLLRGPRLSLHTAANAAATATETTCQDVAATPVARYPPIVASMTADSK AARLRRIERWQATVHAAESVDEKLRLTKMQFMKYMVYPQTFALNADRWYQYFTKT

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VFLSGLPPPPAEPEPEPEPEPEPALDLAALRAVACDCLLQEHFYLRRRRRRVHRYEES
 EVISLPFLDQLVSTLVGLLSPHNPAALAAALDYRCPVHFYWVRGEEIIPRGHRRGRID
 DLRYQIDDKPNNQIRISKQLAEFVPLDYSVPIEPTIKCKPDKLPLFKRQYENHIFVGSK
 TADPCCYGHTQFHLLPDKLRRERLLRQNCADQIEVFRANAIASLFAWTGAQAMYQ
 GFWSEADVTRPFVVSQAVITDGKYFSFFCYQLNTLALTTQADQNNPRKNICWGTQSK
 PLYETIEDNDVKGFNDDVLLQIVHFLNRPKEEKSQLEN

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

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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