

Recombinant Human MRPS30 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MRPS30-1210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MRPS30 MS Standard C13 and N15-labeled recombinant protein (NP_057724) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	50.4 kDa
AA Sequence	MAAARCWRPLLGRPLSLHTAANAAATATETTCQDVAATPVARYPPIVASMTADSK

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AARLRRIERWQATVHAAESVDEKLRILTKMQFMKYMVYPQTFALNADRWYQYFTKT
VFLSGLPPPPAEPEPEPEPEPEPALDLAALRAVACDCLLQEHFYLRRRRRRVHRYEES
EVISLPFLDQLVSTLVGLLSPHNPAALAAAALDYRCPVHFYWVRGEEIIPRGHRRGRID
DLRYQIDDKPNNQIRISKQLAEFVPLDYSVPIEPTIKCKPKDKLPLFKRQYENHIFVGSK
TADPCCYGHTQFHLLPDKLRRLRRQNCADQIEVVFRANAIASLFAWTGAQAMYQ
GFWSEADVTRPFVSVQAVITDGKYFSFFCYQLNTLALTQADQNNPRKNICWGTQSK
PLYETIEDNDVKGFNDVLLQIVHLLNRPKEEKSQLENTTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MRPS30 mitochondrial ribosomal protein S30 [Homo sapiens (human)]

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

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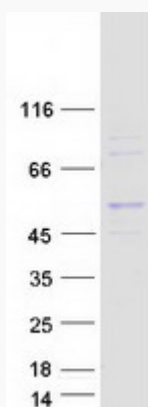
mRNA Refseq NM_016640

Protein Refseq NP_057724

MIM 611991

UniProt ID Q9NP92

SDS-PAGE



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