Recombinant Full Length Human MRPS30 Protein, C-Flag-tagged

Cat. No. MRPS30-1671HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MRPS30 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50.2 kDa

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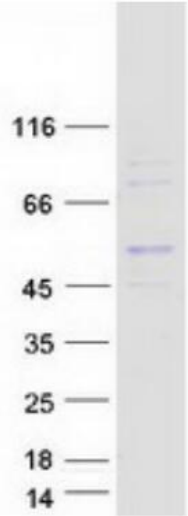
AA Sequence	MAAARCWRPLLRGPRLSLHTAANAAATATETTCQDVAATPVARYPPIVASMTADSK AARLRRIERWQATV HAAESVDEKLRILTKMQFMKYMVYPQTFALNADRWYQYFTKT VFLSGLPPPPAEPEPEPEPEPEPALDLA ALRAVACDCLLQEHFYLRRRRRVHRYEE SEVISLPFLDQLVSTLVGLLSPHNPALAAAALDYRCPVHFYW VRGEEIIPRGHRRGRI DDLRYQIDDKPNNQIRISKQLAEFVPLDYSVPIEIPTIKCKPDKLPLFKRQYEN HIFVG SKTADPCCYGHTQFHLLPDKLRRERLLRQNCADQIEVVFRANAIASLFAWTGAQAM YQGFWSEAD VTRPFVSQAVITDGKYFSFFCYQLNTLALTTQADQNNPRKNICWGT QSKPLYETIEDNDVKGFNDDVLLQ IVHFLLNRPKEEKSQLLENTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	MRPS30 mitochondrial ribosomal protein S30 [Homo sapiens (human)]
Official Symbol	MRPS30
Synonyms	PAP; PDCD9; S30mt; MRP-S30

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Gene ID	10884
mRNA Refseq	NM_016640.4
Protein Refseq	NP_057724.2
MIM	611991
UniProt ID	Q9NP92



Coomassie blue staining of purified MRPS30 protein.

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