

Product datasheet for PH302830

MRPS30 (NM_016640) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MRPS30 MS Standard C13 and N15-labeled recombinant protein (NP_057724)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202830
Predicted MW:	50.4 kDa
Protein Sequence:	>RC202830 protein sequence Red=Cloning site Green=Tags(s)

MAAARCWRPLL RGPRLSLHTAANAATATETTCQDVAATPVARYPPIVASMTADSKAARLRRIERWQATV
HAAESVDEKLRILTKMQFMKYMVYPQTFALNADRWYQYFTKTVFLSGLPPPPAEPEPEPEPEPALDLA
ALRAVACDCLLQEHFYLRRRRVHRYEESEVISLPFLDQLVSTLVGLLSPHPALAAAALDYRCPVHFYW
VRGEEIIPRGHRRGRIDDLRYQIDDKPNNQIRISKQLAEFVPLDYSVPIEIPITIKCKPKLPLFKRQYEN
HIFVGSKTADPCCYGHYQFHLLPDKLRRERLLRQNCADQIEVVFRANIASLFAWTGAQAMYQGFWSEAD
VTRPFVSAVITDGKYFSFFCYQLNTLALTTQADQNNPRKNICWGTQSKPLYETIEDNDVKGFNDVLLQ
IVHFLNRPKEEKSQLLEN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_057724</u>
RefSeq Size:	1686
RefSeq ORF:	1317
Synonyms:	MRP-S30; PAP; PDCD9; S30mt



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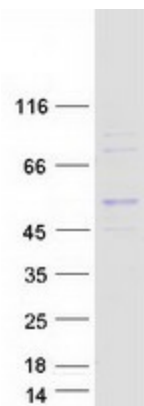
Locus ID: 10884

UniProt ID: [Q9NP92](#)

Cytogenetics: 5p12

Summary: 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, Jul 2008]

Product images:



Coomassie blue staining of purified MRPS30 protein (Cat# [TP302830]). The protein was produced from HEK293T cells transfected with MRPS30 cDNA clone (Cat# [RC202830]) using MegaTran 2.0 (Cat# [TT210002]).