

Recombinant Human MRPS28 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. MRPS28-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MRPS28 MS Standard C13 and N15-labeled recombinant protein (NP_054737) 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 has been called mitochondrial ribosomal protein S35 in the literature.
Molecular Mass	20.8 kDa
AA Sequence	MAALCRTRAVAAESHFLRVFLFFRPFRGVGTESGSESGSSNAKEPKTRAGGFASAL ERHSELLQKVEPLQKGSPKNVESFASMLRHSPLTQMGPADKDLVIGRIFHIVENDLYI DFGGKFHCVCRPRPEVDGEKYQKGTRVRLRLDLELTSRFLGATTDTTVLEANAVLL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GIQESKDSRSKEEHHEKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	MRPS28 mitochondrial ribosomal protein S28 [Homo sapiens (human)]
Official Symbol	MRPS28
Synonyms	MRPS28; mitochondrial ribosomal protein S28; HSPC007; MRP-S28; MRP-S35; MRPS35; 28S ribosomal protein S28, mitochondrial; 28S ribosomal protein S35, mitochondrial; S28mt; S35mt; mitochondrial 28S ribosomal protein S35; mitochondrial small ribosomal subunit protein bS1m
Gene ID	28957
mRNA Refseq	NM_014018
Protein Refseq	NP_054737
MIM	611990

 Tel: 1-631-559-9269 1-516-512-3133

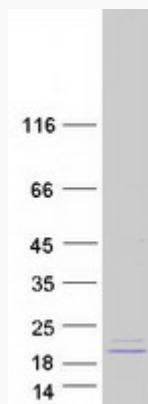
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q9Y2Q9

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA