

Recombinant Human MRPL58 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MRPL58-1896H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ICT1 MS Standard C13 and N15-labeled recombinant protein (NP_001536) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a peptidyl-tRNA hydrolase and a vital component of the large mitochondrial ribosome. The encoded protein serves as a ribosome release factor for this ribosome, which translates mitochondrial genes. This protein may be responsible for degrading prematurely-terminated polypeptides and for reusing stalled ribosomes. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	23.6 kDa
AA Sequence	MAATRCLRWGLSRAGVWLLPPPARCPRRALHKQKDGTEFKSIYSLDKLYPESQGS DTAWRVPNGAKQADSDIPLDRLTISYCRSSGPGGQNVNKNVNSKAEVRFHLATAEWI AEPVRQKIAITHKNKINRLGELITSESSRYQFRNLADCLQKIRDMITEASQTPKEPTK EDVKLHRIRIENMNRERLRQKRIHSAVKTSRRVDMDTTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

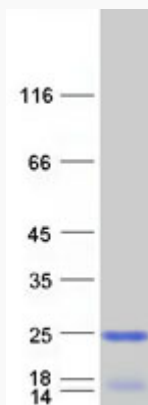
GENE INFORMATION

Gene Name	MRPL58 mitochondrial ribosomal protein L58 [Homo sapiens (human)]
Official Symbol	MRPL58
Synonyms	MRPL58; mitochondrial ribosomal protein L58; DS1; DS-1; ICT1; MRP-L58; peptidyl-tRNA hydrolase ICT1, mitochondrial; 39S ribosomal protein L58, mitochondrial; digestion subtraction 1; immature colon carcinoma transcript 1 protein; mitochondrial large ribosomal subunit protein ICT1; mitochondrial large ribosomal subunit protein mL62; EC 3.1.1.29
Gene ID	3396
mRNA Refseq	NM_001545
Protein Refseq	NP_001536
MIM	603000
UniProt ID	Q14197

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SDS-PAGE

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