

Product datasheet for **TP304448M**

ICT1 (MRPL58) (NM_001545) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human immature colon carcinoma transcript 1 (ICT1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204448 protein sequence Red =Cloning site Green =Tags(s)
	 MAATRCLRWGLSRAGVWLLPPPARCPRRALHKQKDGTEFKSIYSLDKLYPESQGSDTAWRVPNGAKQADS DIPLDRLTISYCRSSGGQNVNKNVNSKAEVRFHLATAEWIAEPVRQKIAITHKNKINRLGELITSESS RYQFRNLADCLQKIRDMITEASQTPKEPTKEDVKLHRIRIENMNRERLRQKRIHSAVKTSRRVDMD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	23.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001536
Locus ID:	3396
UniProt ID:	Q14197
RefSeq Size:	888



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Cytogenetics: 17q25.1

RefSeq ORF: 618

Synonyms: DS-1; DS1; ICT1; MRP-L58

Summary: 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. [provided by RefSeq, Dec 2014]

Product images:



Coomassie blue staining of purified MRPL58 protein (Cat# [TP304448]). The protein was produced from HEK293T cells transfected with MRPL58 cDNA clone (Cat# [RC204448]) using MegaTran 2.0 (Cat# [TT210002]).