

#### OriGene Technologies, Inc.

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# 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 $\mu g$
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204448 protein sequence Red=Cloning site Green=Tags(s)
	MAATRCLRWGLSRAGVWLLPPPARCPRRALHKQKDGTEFKSIYSLDKLYPESQGSDTAWRVPNGAKQADS DIPLDRLTISYCRSSGPGGQNVNKVNSKAEVRFHLATAEWIAEPVRQKIAITHKNKINRLGELILTSESS 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:	<u>NP 001536</u>
Locus ID:	3396
UniProt ID:	<u>Q14197</u>
RefSeq Size:	888

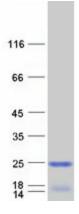


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	ICT1 (MRPL58) (NM_001545) Human Recombinant Protein – TP304448M
Cytogenetics:	17q25.1
RefSeq ORF:	618
Synonyms:	DS-1; DS1; ICT1; MRP-L58
Summary:	The protein encoded by this gene is a peptidyl-tRNA hydrolase and a vital component of the large mitochondrial 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]).

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