

## Product datasheet for **TP304448L**

### ICT1 (MRPL58) (NM\_001545) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human immature colon carcinoma transcript 1 (ICT1), 1 mg

**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](#)

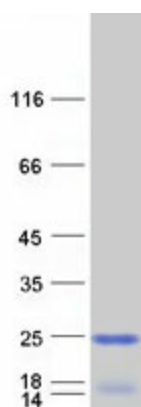
**RefSeq Size:** 888



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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]).