

Product datasheet for **TP304448**

ICT1 (MRPL58) (NM_001545) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human immature colon carcinoma transcript 1 (ICT1), 20 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](#)

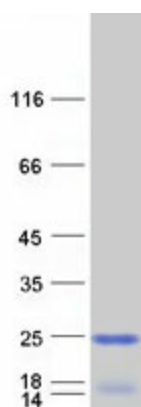
RefSeq Size: 888



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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]).