

Product datasheet for **TP306325M**

QTRTD1 (QTRT2) (NM_024638) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human queuine tRNA-ribosyltransferase domain containing 1 (QTRTD1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206325 protein sequence
Red=Cloning site **Green**=Tags(s)

MKLSLTKVNGCRLGKIKNLGKTGDHTMDIPGCLLYTKTGSAPHLTHHTLHNIHGVPAMAQTLTSSLAEH
HEVLTEYKEGVGKFIGMPESLLYCSLHDPVSPCPAGYVTNKSVSVWSVAGRVEMTVSKFMAIQKALQPDW
FQCLSDGEVSCKEATSIKRVKSVDRSLLFLDNCLRLQESEVLQKSVIIGVIEGGDVMEERLRSARETA
KRPVGGFLLDGFQGNPTTLEARLRLSSVTAELPEDKPRLLISGVSRPDEVLECIERGVDLFESFFPYQVT
ERGCALTFSDYQPNPEETLLQQNGTQEEIKCMDQIKKIETTGCNQEITSFEINLKEKKYQEDFNPLVRG
CSCYCCKNHTRAYIHLLVTNELLAGVLLMMHNFHYFGFFHYIREALKSDKLAQLKELIHRQAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 46.5 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_078914](#)



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Locus ID:	79691
UniProt ID:	Q9H974
RefSeq Size:	4025
Cytogenetics:	3q13.31
RefSeq ORF:	1245
Synonyms:	QTRTD1
Summary:	This gene encodes a subunit of tRNA-guanine transglycosylase. tRNA-guanine transglycosylase is a heterodimeric enzyme complex that plays a critical role in tRNA modification by synthesizing the 7-deazaguanosine queuosine, which is found in tRNAs that code for asparagine, aspartic acid, histidine, and tyrosine. The encoded protein may play a role in the queuosine 5'-monophosphate salvage pathway. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]

Product images:



Coomassie blue staining of purified QTRT2 protein (Cat# [TP306325]). The protein was produced from HEK293T cells transfected with QTRT2 cDNA clone (Cat# [RC206325]) using MegaTran 2.0 (Cat# [TT210002]).