

## Product datasheet for PH306325

### QTRTD1 (QTRT2) (NM\_024638) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	QTRTD1 MS Standard C13 and N15-labeled recombinant protein (NP_078914)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206325
Predicted MW:	46.7 kDa
Protein Sequence:	>RC206325 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MKLSLTKVVGNCRLGKIKNLGKTGDHTMDIPGCLLYTKTGSAPHLTHHTLHNIHGVPMAMQLTLSSLAEH  
 HEVLTEYKEGVGKFIGMPESLLYCSLHDPVSPCPAGYVTNKSVSWSVAGRVEMTVSKFMAIQKALQPDW  
 FQCLSDGEVSCKEATSIKRVKSVDRSLLFLDNCLRLQEESEVLQKSVIIGVIEGGDVMEERLRSARETA  
 KRPVGGFLLDGFQGNPTTLEARLRLSSVTAELPEDKPRLLSGVSRPDEVLECIERGVDLFESFFPYQVT  
 ERGALTFSDYQPNPEETLLQQNGTQEEIKCMDQIKKIETTGCNQEITSFEINLKEKKYQEDFNPLVRG  
 CSCYCKNHTRAYIHLLVTNELLAGVLLMMHNFHYFGFFHYIREALKSDKLAQLKELIHRQAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_078914</a></u>
RefSeq Size:	4025
RefSeq ORF:	1245
Synonyms:	QTRTD1
Locus ID:	79691


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UniProt ID: [Q9H974](#)

Cytogenetics: 3q13.31

**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]).