

Recombinant Human QTRT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. QTRT2-4629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	QTRTD1 MS Standard C13 and N15-labeled recombinant protein (NP_078914) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.7 kDa
AA Sequence	MKLSLTKVVNGCRLGKIKNLGKTGDHTMDIPGCLLYTKTGSAPHLTHHTLHNIHGVP AMAQLTLSSLAEHHEVLTEYKEGVGKFIGMPESLLYCSLHDPVSPCPAGYVTNKSVS VWSVAGRVEMTVSKFMAIQKALQPDWFQCLSDGEVSCKEATSIKRVRSVDRSLLF LDNCLRLQEESEVLQKSVIIGVIEGGDVMEERLRSARETAKRPVGGFLLDGFQGNPT TLEARLRLSSVTAELPEDKPRLLISGVSRPDEVLECIERGVDLFESFFPYQVTERGCA LTFSEFDYQPNPEETLLQQNGTQEEIKCMDQIKKIETTGCNQEITSFEINLKEKKYQED

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FNPLVRGCSCYCCKNHTRAYIHLLVTNELLAGVLLMMHNFEHYFGFFHYIREALKS
DKLAQLKELIHRQASTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name QTRT2 queuine tRNA-ribosyltransferase accessory subunit 2 [Homo sapiens (human)]

Official Symbol QTRT2

Synonyms QTRT2; queuine tRNA-ribosyltransferase accessory subunit 2; QTRTD1; queuine tRNA-ribosyltransferase accessory subunit 2; queuine tRNA-ribosyltransferase domain containing 1; EC 2.4.2.29

Gene ID 79691

mRNA Refseq NM_024638

Protein Refseq NP_078914

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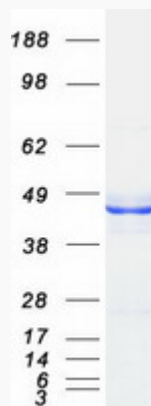
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UniProt ID

Q9H974

SDS-PAGE

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