

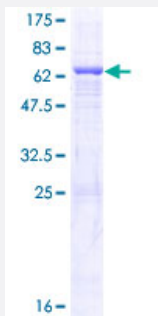
Full-Length

QTRT1 (Human) Recombinant Protein (P01)

Catalog # H00081890-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human QTRT1 full-length ORF (AAH15350.1, 1 a.a. - 358 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPVGTQATMKGITTEQLDALGCRICLGNTYHLGLRPGPELIQKANGHLHGFMNWPHNLLTDSGGFQ
MVSLSLSEVTEEGVRFRSPYDGNETLLSPEKSVQIQNALGSDIIMQLDDVVSSVTGPRVEEAM
YRSIRWLDRCIAAHQRPDKQNLFAIQGGLDADLRATCLEEMTKRDVPGFAIGGLSGGESKSQFW
RMVALSTSRLPKDKPRYLMGVGYATDLVVCVALGCDMFDCVFPTRTARFGSALVPTGNLQLRKK
VFEKDFGPIDPECTCPTCQKHSRAFLHALLHSDNTAALHHLTVHNIAYQLQLMSAVRTSIVEKRFP
DFVRDFMGAMYGDPTLCPTWATDALASVGITLG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.7

Interspecies Antigen Sequence

Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — QTRT1

Entrez GeneID[81890](#)**GeneBank Accession#**[BC015350.1](#)**Protein Accession#**[AAH15350.1](#)**Gene Name**

QTRT1

Gene Alias

FP3235, TGT

Gene Description

queuine tRNA-ribosyltransferase 1

Omim ID[609615](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

tRNA-guanine transglycosylase (TGT; EC 2.4.2.29) synthesizes queuosine (Q), which is found in tRNAs that recognize NAU and NAC codons, encoding tyr, asn, asp, and his. Prokaryotic TGT is a single protein of 43 kD. In contrast, mammalian TGT appears to be a heterodimer consisting of a 60-kD subunit (USP14; MIM 607274) and a 43-kD catalytic subunit (QTRT1) (Deshpande and Katz, 2001 [PubMed 11255023]).[supplied by OMIM]

Other Designations

tRNA-guanine transglycosylase