

Recombinant Human QTRT1 293 Cell Lysate

Cat. No. QTRT1-2634HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for queuine tRNA-ribosyltransferase 1 (QTRT1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

QTRT1 queueine tRNA-ribosyltransferase 1 [Homo sapiens]

Official Symbol

QTRT1

Synonyms

QTRT1; queueine tRNA-ribosyltransferase 1; queueine tRNA-ribosyltransferase; TGT; tRNA guanine transglycosylase; TGT, 43-KD subunit; TGT, catalytic subunit; guanine insertion enzyme; tRNA-guanine transglycosylase; TGUT; FP3235;

Gene ID

81890

mRNA Refseq

NM_031209

Protein Refseq

NP_112486

MIM

609615

UniProt ID

Q9BXR0

**Chromosome
Location**

19p13.3

Function

metal ion binding; contributes_to queueine tRNA-ribosyltransferase activity; queueine tRNA-ribosyltransferase activity; transferase activity, transferring glycosyl groups;

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