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32-6908: QTRT1 Human

Alternative Name :	Queuine TRNA-Ribosyltransferase 1, TRNA-Guanine Transglycosylase, TGT, Guanine Insertion Enzyme, EC 2.4.2.29, TGUT, Queuine TRNA-Ribosyltransferase, TGT, Catalytic Subunit, TGT, 43-KD Subunit, FP3235, Queuine tRNA-ribosyltransferase.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
Queuine TRNA-Ribosyltransferase 1 also known as QTRT1 is a member of the queuine tRNA-ribosyltransferase family. QTRT1 interacts with QTRTD1 to form an active queuine tRNA-ribosyltransferase. Furthermore, QTRT1 exchanges queuine for the guanine at the wobble position of tRNAs with GUNÂ anticodons (tRNA-Asp, -Asn, -His andÂ -Tyr), in this manner forming the hypermodified nucleoside queuosine (Q) (7-(((4,5-cis-dihydroxy-2-cyclopenten-1-yl)amino)methyl)-7-deazaguanosine).
QTRT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 428 amino acids (1-403 a.a) and having a molecular mass of 46.7kDa. QTRT1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	QTRT1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 30% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEFMAGAA TQASLESAPR IMRLVAECSR SRARAGELWL PHGTVATPVF MPVGTQATMK GITTEQLDAL GCRICLGNTY HLGLRPGPEL IQKANGLHGF MNWPHNLLTD SGGFQMVSLV SLSEVTEEGV RFRSPYDGNE TLLSPEKSVQ IQNALGSDII MQLDDVVSST VTGPRVEEAM YRSIRWLDRC IAAHQRPDKQ NLFAIIQGGL DADLRATCLE EMTKRDVPGF AIGGLSGGES KSQFWRMVAL STSRLPKDKP RYLMGVGYAT DLVVCVALGC DMFDCVFPTR TARFGSALVP TGNLQLRKKV FEKDFGPIDP ECTCPTCQKH SRAFLHALLH SDNTAALHHL TVHNIAYQLQ LMSAVRTSIV EKRFPDFVRD FMGAMYGDPT LCPTWATDAL ASVGITLG.

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