

## 32-2779: QTRTD1 Recombinant Protein

**Alternative Name :** Queuine TRNA-Ribosyltransferase Domain Containing 1, EC 2.4.2.29, Queuine TRNA-Ribosyltransferase Domain-Containing Protein 1, QTRTD1.

### Description

Source : Escherichia Coli. QTRTD1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 438 amino acids (1-415 a.a) and having a molecular mass of 49.1kDa. QTRTD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Queuine TRNA-Ribosyltransferase Domain Containing 1, also known as QTRTD1 act together with QTRT1 to form an active queuine tRNA-ribosyltransferase. QTRTD1 exchanges queuine for the guanine at the wobble position of tRNAs along with GUN anticodons (tRNA-Asp,-Asn,-His and -Tyr), in that way forming the hypermodified nucleoside queuosine.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** QTRTD1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4) 30% glycerol, 2mM DTT, 1mM EDTA and 0.1mM PMSF.  
**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 SSSLVPRGSH MGSMKLSLTK VVNGCRLGKI KNLGKTGDHT MDIPGCLLYT  
KTGSAPHLTH HTLHNIHGVP AMAQLTSSL AEHHEVLTEY KEGVGKFIGM PESLLYCSLH DPVSPCPAGY  
VTNKSVSVWS VAGRVEMTVS KFMAIQKALQ PDWFOCLSDG EVSCKEATSI KRVRKSVDRS LFLDNCLRL  
QEESVLQKS VIIGVIEGGD VMEERLSAR ETAKRPVGGF LLDGFQGNPT TLEARLRLLS SVTAELPEDK  
PRLISGVSRP DEVLECIERG VDLFESFFPY QVTERGCALT FSDYQPNPE ETLQNGTQ EEIKCMDQIK  
KIETTGCNQE ITSFEINLKE KKYQEDFNPL VRGCSYCK NHTRAYIHHL LVTNELLAGV LLMMHNFHEY  
FGFFHYIREA LKSDKLAQLK ELIHRQAS.