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QTRT1, 1-403aa, Human, His tag, E.coli

产品货号: TP03616

第三版

别名: Queuine tRNA-ribosyltransferase, FP3235, TGT, TGUT

描述: QTRT1 also known as queuine tRNA-ribosyltransferase. QTRT1 interacts with QTRTD1 to form an active queuine tRNA-ribosyltransferase. This enzyme exchanges queuine for the guanine at the wobble position of tRNAs with GUN anticodons (tRNA-Asp, -Asn, -His and -Tyr), thereby forming the hypermodified nucleoside queuosine (Q) (7-(((4,5-cis-dihydroxy-2-cyclopenten-1-yl)amino)methyl)-7-deazaguanosine). Recombinant QTRT1 was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT

分子量: 46.7kDa (428aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSEFMAGAATQASLESAPRIMRLVAECSRSRARAGELWLPHGTVATPVFMPVGTQAT  
MKGITTEQLDALGCRICLGNTYHLGLRPGPELIQKANGLHGFMNWPNNLLTDSGGFQMVSLVSLSEVTEEGVRFRRSPYDG  
NETLLSPEKSVQIQNALGSDIIMQLDDVVSSTVTGPRVEEAMYSRIRWLDRCIAAHQRPDKQNLFAIIQGGLDADLRATCL  
EEMTKRDVPGFAIGGLSGGESKSFWRMVALSTSRPKDKPRYLMGVGYATDLVVCVALGCDMFDCVFPTRTARFGSAL  
VPTGNLQLRKKVFEKDFGPIDPECTCPTCQKHSRAFLHALLHSDNTAALHHLTVHNIAYQLQLMSAVRTSIVEKRFPDFV  
RDFMGAMYGDPTLCPTWATDALASVGITLG

纯度: > 95% by HPLC

浓度: 0.25mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.