

Product datasheet for MC207816

Qtrt2 (NM_029128) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Qtrt2 (NM_029128) Mouse Untagged Clone
Tag: Tag Free
Symbol: Qtrt2
Synonyms: 3110012M05Rik; 4930470H18Rik; A1648807; Qtrt2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207816 representing NM_029128
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAAGCTGAGTCTCATCAAAGTCGTTAATGGCTGTCGTCTAGGAAAAATACAAAACCTGGGCAAAG
 CAGGGGACTGCACGGTGGACATTCGGGGTGTCTTCTACACCAGGACTGGCTCTGCCCCACACCTGAC
 ACATCAGACGCTGCGTAACATCCACGGGGTCCCAGGCATAGCCCAGCTCACACTCTCATCCCTAGCAGAA
 CATCATGAAGTCTTGGCAGAATAAAGAAAGGAGTTGAAAGCTTTATAGGCATGCCGGAATCACTCTTCT
 ATTGTTCCCTGCACGATCCAGTCAACCCCGCCAGCTGGTTATGTAACAAGTAAGGTCCTCCAGAAAAG
 TGTGATCATTGGAGTGATTGAGGGTGGAGATGTGATGGAAGAGAGGTTGAGGTCAGCACGAGAGACAGCC
 AAGCGACCCGTCGGGGGCTTCTGCTGGACGGCTTCAAGGGGATCCAGCAGTCACAGAAACCAGACTGC
 ACTTGCTGTCATCAGTCACTGCAGAGCTGCCAGAGGACAAACCAAGGCTCATCTGCGGTGTCAGCCGGCC
 AGACGAAGTGCTAGAGTGCATCGAAAGGGGAGTGGACTTGTTTGAGAGTTTTTCCCATATCAAGTGACC
 GAGCGGGGCTGTCCCTGACTTTCACCTTTGATTGCCAGCTGAATCCTGAGGAGACACTATTGCAACAAA
 ATGGAATCCAAGAAAAAATAAAGGCTTGGATCAAGCAAAGAAAATTGAAGCAACTGGTTGCAACCAAGA
 GATGACGTCATTTGAAATTAATCTGAAGGAGAAAAAGTACCAGGAAGACTTTGACCCGCTTGTAAAGAGGG
 TGCTCCTGTTACTGCTGTAAAGAACCACTCGTGCGTATATCCACCATCTTCTGATGACCAACGAGCTGC
 TGGCTGGTGTCTCCTTATGATGCACAACCTTGGAGCACTACTTTGGATTTTTCTGCTCCATCCGAGAAGC
 ACTAAGAATGACACACTGGCACAGCTGAAAGAAGTCAATTTGCAGACAGATGTTT**TGA**

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029128



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Insert Size:	1038 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_029128.2 , NP_083404.2
RefSeq Size:	2838 bp
RefSeq ORF:	1038 bp
Locus ID:	106248
UniProt ID:	B8ZX11
Cytogenetics:	16 B4
Gene Summary:	Non-catalytic subunit of the queuine tRNA-ribosyltransferase (TGT) that catalyzes the base-exchange of a guanine (G) residue with queuine (Q) at position 34 (anticodon wobble position) in tRNAs with GU(N) anticodons (tRNA-Asp, -Asn, -His and -Tyr), resulting in the hypermodified nucleoside queuosine (7-(((4,5-cis-dihydroxy-2-cyclopenten-1-yl)amino)methyl)-7-deazaguanosine).[UniProtKB/Swiss-Prot Function]