

Product datasheet for **MC217481**

Qrs11 (NM_001081054) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qrs11 (NM_001081054) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qrs11
Synonyms:	2700038P16Rik; C80053; GatA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217481 representing NM_001081054
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCTGGCCGACTCTCCGAGAAGTTCTGCGCACTGAAGCAGGGCCAGGTTACACCAACAGAGCTCT
 GCAAGAACTGTCTCTCCCTCATCAAGAAAACCAAGTATCTAAATGCTTACATTACTGTATCAGAAGAGGT
 CGCTTTAAAGCAAGCTGAAGAATCAGAGAAAAGATACAAGCAAGGTCAGTCTCTTGAGATTTAGATGGA
 ATTCTGTTGCTGTGAAAGACAACCTTTAGCACAACTGGCATTGAGACAACATGTGCATCAAATATGTTAA
 AAGGTTACGTACCACCTTACAATGCTACAGTAGTTCAGAAGCTGTTGGATCAGGGTGCCCTACTCATGGG
 GAAAACAAATTTAGATGAGTTTGTATGGGGTCTGGAAGCACAGATGGTGTGTTGGGCCAGTTAGAAAC
 CCCTGGACTTACTCGAAGCAGTACAGAGAGAGAAGCCGGCAGGATGCAGGTGATGATTCCCACTGGCTGA
 TCACTGGCGGAAGCTCGGGCGGCAGCGCAGCCGTGGCCGCGTTCACCTGCTTTGCGGCTCTCGGATC
 GGACACTGGTGGGTCCACCAGGAACCTGCTGCCCACTGTGGGATTGTTGGTTTCAAACCAAGCTATGGC
 TTGGTTTTCACGGCACGGCCTTATCCCCTGGTGAATTCATGGACGTGCCAGGAATCCTCACCAGATGTG
 TGGACGACACAGCAATTGTGTTAGGTACACTGGCTGGACATGACCCCAAAGATCCACCACAGTGAGAAA
 CCCTGCTCAGCCGGCCTCGGTTCCCGCGGGATGGATGTGAGCAGGCTGTGTATAGGAATCCCAAAGGAA
 TATCTAGTACCAGAATTGTCAAGTGAAGTACGGTCTCTCTGGTCCCAAGCTGCTGACCTCTTTGAGTCTG
 AAGGAGCCAAAGTGATTGAGGTGTCTCTGCCACACCTGTTACTCAATTGTCTGCTACCATGTCCTGTG
 CACATCAGAAGTAGCATCGAATATGGCAAGATTGATGGGCTCCAGTATGGTCATAGGTCTGGTGTGAT
 GTGTCCACTGAAGCCATGTACGCCGCAACCAGACAGGAAGGCTTCAATGATGTGGTGAGAGGAAGAATTC
 TCTCAGGAACTTTTTCTTATTTAAAGAAAATTATGAGAATTATTCGTCAGGCACAGAAAGTAGGGCG
 CCTCATTGTGAAGGATTTGTGGATGTTTTGAGTCTGGGGTGGATGTCCTGCTAACCCCAACACCCCTG
 ACTGAGGCAGTGCCGTACCTGGAGTTCATCAAAGAAGACAACAGGACACGCAGCGCCAGGATGATATT
 TCACTCAAGCTGTCAATATGGCAGGCTTGCCAGCAGTGAAGTGTCCCTGTGGCCCTCTCAAACCAAGGCT
 GCCAATAGGACTGCAGTTAATTGGACGTGCATTTTGTGACCAGCAACTTCTGACAGTTGCCAAGTGGTTT
 GAAAAACAAGTACAGTTTCTGTTATTCAACTGCAGGGCCTCATGGATGATGGCTCGTTGGTTCTTGAAA
 ATGGAAGTTAACGTCTGCTTCTGACCCAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081054

Insert Size: 1578 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081054.2, NP_001074523.1</u>
RefSeq Size:	1970 bp
RefSeq ORF:	1578 bp
Locus ID:	76563
UniProt ID:	<u>Q9CZN8</u>
Cytogenetics:	10 B2
Gene Summary:	Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).[UniProtKB/Swiss-Prot Function]