

Product datasheet for **MC219458**

Qrich2 (NM_001033267) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qrich2 (NM_001033267) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qrich2
Synonyms:	Gm66
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219458 representing NM_001033267
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACTCTGTCTCTGAGGCGTCTCTTACCTACAGGATCAGCTGGACAAGCTCAGAACCATCATTG
 AGAGCATGCTGGCAGCTCCTCCAGCTGCTCCATGAGCATAACCCACACAAGTCCACCGCCTGCCT
 AGTGCCCGGCCAGATCGACCCCGAGGCCACCTGTCGGCCTGCAGTCTGGATGTGAGCCACCAAGTCAGT
 CTGCTGGTCCAGCGCTACGAGCAGCTACAGGACATGGTCAGTGGCCTCGCTGCCTCCAGACCCTCCAAGA
 AGGCCAAGCTGCAGGGCCAGGATGAGGAGCTGCTGGGCCACGTGCAGAGCGCCATCCTACAAGTCCAGGG
 TGACTGTGAGAAGCTCAACATTACCACGAGCAACCTCATTGAGGACCATCGGCAGAAGCAGAAAGACATT
 GAAGTGTGTATCAGGGGATAGAAAGGCTGGATAAAGGAAAAGGCCAACAGAGAGCACCTGGAGATGGAGA
 TTGATGAGAAAGCCGACAAGAGCGCTCTGGCATCAAAGTGAAGCCGATCCAGTTTGTGCCACTACAGA
 GCAGCTGAACCACATGATGCAGGAAGTGGTGGCCAAGATGAGCGGACAGGAGCAAGACTGGCAGAAACTT
 CTGGATAAGCTCCTGGCAGAGATGGACAGCAAGCTGGACCGCCTGGAGCTGGATCCGTTGAAGCAGATGC
 TGGAGGACCGCTGGAATCACTGCGGCAGCAGCTCAAAGAGCGCCCTCCACTCTACCAGGCCGACGAGGC
 GGCTGCCATGCGGAGGCAGCTCTTGCTCATTTCCACTGCTTGTCTGTGACCGTCCCTTGAGACAAC
 GTGACTGGACAAGTCATCTCTGTGACCCCATAAATTCGAGCATGCCAGGGCACCCTCCGTCGGCCCTT
 ACACTGTGTTTGAAGTAGAGCAGATCCGACAGCAAAGCAGAACTGAAGCTGGGCAGCAGCTTCCCTCG
 GGTTGACATGTCACAGATGGAGAGAAGCGTGGGGCGTCTGCACAGCATGCACTCCCGGATGCTGATGGAC
 ATGGAGAAGGTGCAGGTCCACTTCGGAGGCTCTGTGAAGGCCAGCAGCCAGATGATCCGAGAGCTGCTGC
 ACACCCAGTGCCTCAGCCACCCATGCTACAAACGGGGAGCAGACACAGCAGATTACAGTACTCGACTGT
 ATCCCGTCTGTGGGGCAGCCACCCCTCACCTACCCCTACCGGCGAAACCGCCGACGACCTGTCT
 CCACTGGAGGAGATCCAGATCGCCATGAAGCATGATGAGGTTGACATCCTGGCCTCGACGGACACATCT
 ACAAGGGACGGATGGATACACGTTGCCAGGCATCCTAGGGAAAGATGCCCGAGGAGTACAAAACACAA
 CAAGGCTAAGCTCCAGCAGCTCCAACAAGTGCAGCAGCTGCAGCAGCTCCAACAAGTGCAGCAGCTGCAG
 CAGGCCAGCATGCCCGCCACGCACACAGGCAGCCAAAGCCTGGGCAACATGATCTCGCCACCCTCTC
 GGCCTCAGAGTGCACAGATGATAGCGGACAGCAAAGCAGTTCTTCAGGGCAAAGAAAGACAGACCAGT
 CTCTCTGAGGGCGTCTCTGAGTGAATGTGAGCCATTCATCCATCCCTACAGACATAGCCAGTCTG
 CAGGGTAGCCAACAGGGGCTGAACATGCACATTGACGTGCTCCCGGGGAGGGGCTGGAGGAGCCACCC
 GGGGACCACGGTCCACCGCTGCTCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033267

Insert Size: 1779 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.

RefSeq: [NM_001033267.2](#), [NP_001028439.1](#)

RefSeq Size: 2162 bp

RefSeq ORF: 1779 bp

Locus ID: 217341

UniProt ID: [Q3V2A7](#)

Cytogenetics: 11 E2

Gene Summary: Has an essential role in the formation of sperm flagella and flagellar structure maintenance. It acts as a suppressor of ubiquitination and degradation of proteins involved in flagellar development and motility.[UniProtKB/Swiss-Prot Function]