

Product datasheet for MC212557

Mrgprd (NM_203490) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrgprd (NM_203490) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrgprd
Synonyms:	Gm499; Mgrd; MrgD; TGR7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212557 representing NM_203490 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTCCACTCTTGACAGCAGCCAGCTCCAGGTCTGACCATCAGTCCCACCATGGACCTTGTGACCT
GGATCTACTTTTCAGTGACATTCCTCGCCATGGCCACGTGTGGGGGGGATGGCAGGCAACTCATTGGT
GATTTGGCTCCTGAGCTGCAACGGCATGCAGAGGTCTCCCTTCTGTGTCTATGTGCTCAACTGGCGGTG
GCTGACTTCTCTTATTCTGCATGGCTCCATGCTCAGCCTGAAACAGGGCCCTGCTCATAGTCA
ACATTTCTGCCAAATCTATGAAGGGATGAGGAGAATCAAGTACTTTGCCTATACAGCAGGCCTGAGCCT
GCTGACAGCCATCAGCACCCAGCGCTGCCTCTCCGTGCTTTCCCATCTGGTATAAGTGCCACCGGCC
CGGCACCTGTATCAGTGGTATCTGGTGCCTCTGGCACTGGCCTTCTGATGAACTTCTGGCTTCTT
TCTTCTGCGTCCAATTCTGGCATCCCAACAAACACCAGTGCTTCAAGGTGGACATTGTTTTCAACAGTCT
TATCCTGGGGATCTTATGCCGGTATGATCCTGACCAGCACCATCCTTTCATCCGGGTGCGGAAGAAC
AGCCTGATGCAGAGACGGCGGCCCGCGGCTGTACGTGGTATCCTGACTTCCATCCTTGTCTTCTCA
CCTGTTCTCTGCCCTTGGGCATCAACTGGTCTTACTCTACTGGTGGATGTGAAACGGGATGTGAGGCT
ACTTTATAGCTGCGTATCAGCTTCTTCTATCTTTGAGCAGCAGTGCCAACCCGGTCATTTACTTCTCT
GTGGGCAGCCAGAAGAGCCACCGGCTGCAGGAGTCCCTGGGTGCTGTGCTGGGGCGGCACTGCGGGATG
AGCCTGAGCCAGAGGGCAGAGAGACGCCATCCAGTGTACTAATGATGGGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3205_c06.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_203490
Insert Size:	966 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:	<u>NM_203490.3</u> , <u>NP_987075.1</u>
RefSeq Size:	3143 bp
RefSeq ORF:	966 bp
Locus ID:	211578
UniProt ID:	<u>Q91ZB8</u>
Cytogenetics:	7 F5
Gene Summary:	May regulate nociceptor function and/or development, including the sensation or modulation of pain. Functions as a specific membrane receptor for beta-alanine. The receptor couples with G-protein G(q) and G(i) (By similarity).[UniProtKB/Swiss-Prot Function]