

Product datasheet for **MR216310**

Mrgpre (NM_175534) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Mrgpre
Synonyms:	C130069N09Rik; Ebtr3; Mgrf; MrgE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR216310 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGTCCCTGAGCGTGCACACAGATTCTCCAGCACCCAGGGAGAAATGGCTTTCAACCTGACCATCC
TGTCCTCACAGAGCTCCTCAGCCTGGGCGGGCTGCTGGGCAATGGAGTGGCCCTCTGGCTGCTCAACCA
AAATGTCTACAGGAACCCCTTCTCCATCTATCTTGGATGTGGCCTGCGCCGACCTCATCTTCTCTGC
TGCCACATGGTGGCCATCATCCCTGAGCTGCTGCAGGACGAGCTGAACCTCCCTGAATTTGTACATATCA
GCCTGACCATGCTGCGGTTCTTCTGTACATTGTGGCCTGAGCCTCCTGGCGGCCATCAGCACGGAGCA
GTGCCTGGCCACTCTTCCCTGCCTGGTACCTGTGCCGCCGCCACGCTACCTGACCACCTGTGTGTGT
GCGCTCATCTGGGTGCTCTGCCTGCTACTGGACCTGCTGCTGAGCGGCGCCTGCACCCAGTTCTTTGGAG
CACCCAGCTACCACCTGTGTGACATGCTGTGGCTGGTGGTGGCAGTTCTCCTGGCTGCCCTGTGCTGCAC
CATGTGTGTGACCAAGCCTGCTCCTGCTGCTGCGGGTGGAGCGTGGTCCAGAGAGACACCAGCCTCGGGGC
TTCCCCACCCTGGTCTGCTGGCCGCTCCTGCTCTTCTCTTCTGCGGCCTGCCCTTTGGCATCTTCTGGC
TGTCGAAGAACCTGTCTGGCACATCCCCCTCTACTTCTATCATTTTCAGCTTCTTCATGGCCAGTGTGCA
CAGTGACAGCAAGCCTGCCATCTACTTTTCTTGGGCAGCACACCTGGCCAGAGGTTTCGGGAACCCCTC
CGGCTGGTGTCTCAGCGGGCACTTGGAGATGAGGCTGAGCTGGGAGCTGGGAGAGAGGCTTCCAAGGGG
GACTTGTGGACATGACTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR216310 protein sequence
 Red=Cloning site Green=Tags(s)

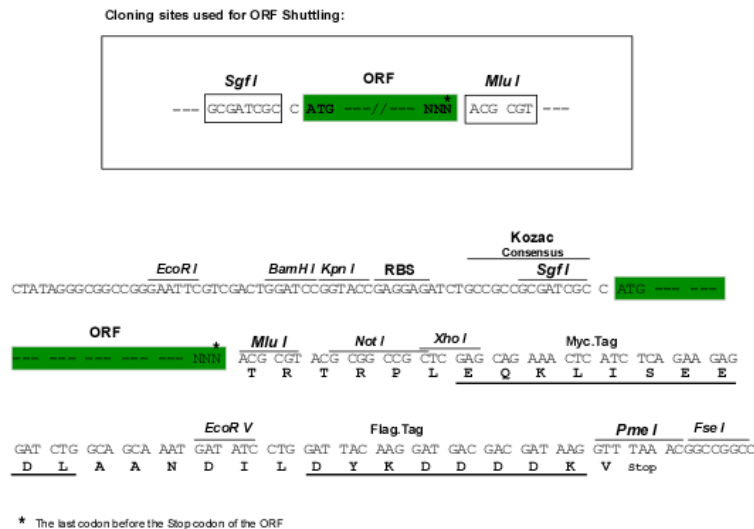
MTSLSVHTDSPSTQGEMAFNLITLSLTELTLGGLLGNGVALWLLNQNVYRNPFISIYLLDVACADLIFLC
 CHMVAIPELLQDQLNFPEFVHISLTMLRFFCYIVGLSLLAAISTEQCLATLFPAYLCRRPRYLTTVCV
 ALIWVLCLLDLLSGACTQFFGAPSYHLCDMLWLVAVLLAALCCTMCVTSLLLLRVERGPERHQPRG
 FPTLVLLAVLLFLFCGLPFGIFWLSKNLSWHIPLYFYHFSFFMASVHSAKPAIYFFLGSTPGQRFREPL
 RLVLQRALGDEAELGAGREASQGLVDMTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_175534

ORF Size:

930 bp

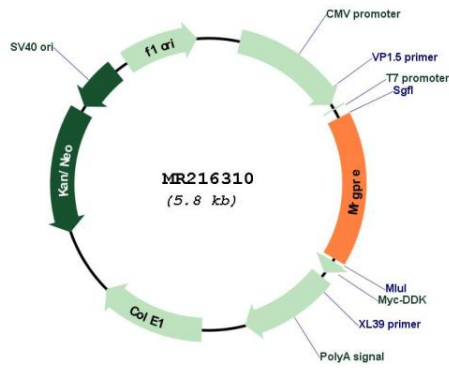
OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_175534.3, NP_780743.1</u>
RefSeq Size:	3777 bp
RefSeq ORF:	933 bp
Locus ID:	244238
UniProt ID:	<u>Q91ZB7</u>
Cytogenetics:	7 F5
MW:	34.6 kDa
Gene Summary:	Orphan receptor. May regulate nociceptor function and/or development, including the sensation or modulation of pain.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216310