

Product datasheet for MR220442

Mrgprx1 (NM_207540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrgprx1 (NM_207540) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrgprx1
Synonyms:	MrgC11; Mrgprc11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220442 representing NM_207540 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGATCCAACCATCTCATCCCACGACACAGAATCTACACCACTGAATGAACTGGTCATCCCACTGCACTCCAATCCTGACCCTGTCCTTCTGGTCTCATCACTACCCTGGTTGGACTGGCAGGAAACACCATTGTACTCTGGCTCCTCGGATCCGCATGCGCAGGAAAGCCATCTCAGTCTATATCCTCAACCTGGCTCTGGCAGACTCCTTCTTCTGCTGTCACTTCATTGACTCTCTGCTACGGATCATTGACTTCTATGGCCTCTATGCCATAAATTAAGCAAAGATATCTTAGGCAATGCAGCAATCATCCCCTATATCTCAGGCCTGAGCATCCTCAGTGCTATTAGCACAGAGCGCTGCCTGTGTATTGTGGCCAATCTGGTACCACTGCCATCGCCCAAGAACATGTCAGCTATCATATGTGCCCTAATCTGGGTTCTGTCTTTCTCATGGGCATCCTCGATTGGTTCTCAGGATTCCTGGGTGAGACTCATCATCATTTGTGGAAAAATGTTGACTTTATTATAACTGCATTTCTGATATTTTTATTTATGCTTCTCTGGGTCCAGTCTGGCCCTACTGCTGAGGATTCTCTGTGGTCCCAGGAGGAAACCCCTGTCCAGGCTGTATGTTACCATCGCTCTCACAGTATGGTCTACCTCATCTGTGGCCTGCCTCTGGGCTTTACTTGTTCTGTATACTGGTTTGGGGTTCAATTTACATTATCCCTTTTGTACATTTACCAAGTTACTGCTGTCTTGTCTGTGTAACAGCTCTGCCAACCCATCATTTATTTCTTGTAGGCTCCTTTAGGCAGCATAGAAAGCATAGGTCCCTGAAAAGAGTTCTTAAGAGGCTCTGGAGGACACTCTGAGGAGATGAATATACAGACAGCCATCTTCATAAAACCACCGAGATTTTCAGAAAGCAGATAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220442 representing NM_207540
Red=Cloning site Green=Tags(s)

MDPTISSHDTESTPLNETGHPNCTPILTLSFLVLITTLVGLAGNTIVLWLLGFRMRKKAISVYILNLALA
 DSFFLCCHFIDSLRLRIDFYGLYAHKLSKDILGNAAIIPYISGLSILSAISTERCLCVLWPIWYHCHRPR
 NMSAIIICALIWLSFLMGILDWFSGLGETHHHLWKNVDFIITAFILFLMLLSGSSLALLLRILCGPRR
 KPLSRLYVTIALTVMVYLICGLPLGLYLFLLYWFGVHLHYPFCHIQVTAVLSCVNSSANPIIYFLVGSF
 RQHRKHRSRLKRVLKRALEDTPPEDEYTDShLHKTEISESRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9021_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207540

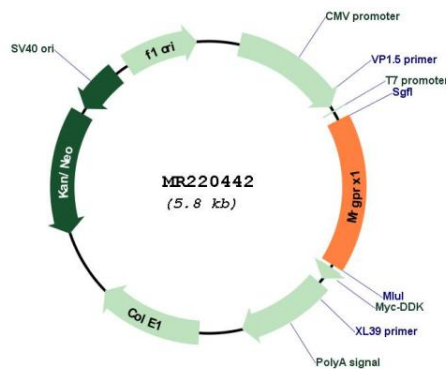
ORF Size: 966 bp

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:	<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_207540.3</u> , <u>NP_997423.1</u>
RefSeq Size:	1180 bp
RefSeq ORF:	969 bp
Locus ID:	404242
UniProt ID:	<u>Q8CIP3</u>
Cytogenetics:	7 B4
MW:	37.3 kDa
Gene Summary:	Orphan receptor activated by neuropeptides terminating in Arg-Phe or Arg-Phe-amide. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. May regulate the function of nociceptive neurons by modulation of pain perception.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220442