

Product datasheet for **MR225258**

Chrm3 (NM_033269) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrm3 (NM_033269) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrm3
Synonyms:	Chrm-3; M3; M3R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225258 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGACCTTGCACAGTAACAGTACAACCTCGCCTTTGTTTCCCAACATCAGCTCTTCTGGGTGCACAGTC
 CCTCAGAGGCGGGCTGCCCTTGGGACAGTCTCTCAATTGGACAGCTACAACATTTCCAAACCTCTGG
 GAATTTCTCTCAAATGACACCTCCAGTGACCCTTAGGGGGCCACACCATCTGGCAAGTGGTCTTCATT
 GCATTCTTGACTGGCTTCTGGCATTGGTGACCATCATCGGCAACATCCTTGTCATTGTGGCATTAAAGG
 TCAACAAACAGCTGAAGACAGTCAACAACACTTCTCTTAAGCCTGGCCTGCGCAGATCTGATCATCGG
 GGTCAATTTCCATGAACCTGTTTACGACCTACATCATTATGAACCGCTGGGCTCTGGGAACTTAGCCTGT
 GACCTCTGGCTTCCATTGACTATGTGGCCAGCAATGCTTCTGTCATGAATCTGCTGGTGATCAGCTTTG
 ACAGGTACTTTTCTATTACCAGGCCACTCACTACCGAGCCAAACGAACAACAAAACGAGCCGGTGTGAT
 GATTGGTCTGGCTTGGGTCACTCTCTTTGCTGTGGGCTCCTGCCATCTTGTCTGGCAATACTTTGTA
 GGGAAAGAACTGTGCCCGGAGAATGTTTCATTCAGTTTCTAAGTGAGCCCACCATCACCTTCGGCA
 CGCGATCGCTGCCTTTACATGCCTGTACCATCATGACTATTTTATACTGGAGAATCTATAAGGAGAC
 TGAGAAACGTACCAAAGAGCTGGCTGGGCTACAGGCCTCTGGGACAGAAGCGGAAGCAGAAAACCTTGTG
 CACCCACAGGCAGTTCTCGAAGCTGTAGCAGCTATGAGCTACAACAGCAAGGCACGAAACGGTCATCTA
 GGAGGAAGTATGGTGGCTGTCACTTCTGGTTACAACCTAAGAGCTGGAAGCCAGTGTGAGCAGATGGA
 CCAAGACCACAGTAGCAGTGACAGTTGGAATAACAACGATGCTGCTGCCTCCCTGGAAAACCTGCTTCT
 TCTGATGAAGAGGATATTGGCTCAGAGACCAGAGCCATCTATTCCATTGACTCAAGCTGCCGGGTGATA
 GCACCATCTCAACTCTACCAAGCTACCTCCTCAGATAACCTGCAGGTGCCAGACAAGGACCTGGGGAC
 TATGGATGTAGAGAGAAAATGCCATAAGCTTACGGCCAGAAAGATATGGATGACCGTGACAACCTGTCAG
 AAGGACTTCTCCAAGCTCCCATCCAGTTAGAGTCTGCCGTGGACACAGCCAAGACCTCTGACACCAACT
 CCTCGGTGGACAAGACCAGGCCGCTCTACCTCTGCTCTCAAAGAAGCCACGCTGGCTAAGAGGTTTGC
 TCTCAAGACCAGAAGTCAGATCACCAAGCGGAAAAGGATGTCGCTCATCAAGGAGAAGAAGGCCGCCAG
 ACACTCAGTGCCATCTTGTGGCTTTCATCATCAGTGGACCCCTACAACATCATGGTCTGGTGAACA
 CCTTCTGTGACAGCTGCATACCCAAAACCTATTGGAATCTGGGCTACTGGCTGTGCTATATCAACAGCAC
 CGTGAACCCCGTGTGCTATGCCCTGTGCAACAAGACATTCAGAACCACCTCAAGATGCTTCTTATGC
 CAGTGTGACAAGAGGAAGCGGCCAAACAGCAGTACCAGCAGAGACAGTCCGTCATTTTTACAAGCGAG
 TGCTGAGCAGGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225258 protein sequence
 Red=Cloning site Green=Tags(s)

MTLHSNSTTSPLFPNIISSVHSPSEAGLPLGTVSQLDSYNISQTSGNFSSNDTSSDPLGGHTIWQVFI
 AFLTGFLALVTIIGNILVIVAFKVNKQLKTVNNYFLLSLACADLIIGVISMNLFTTYIIMNRWALGNLAC
 DLWLSIDYVNASVSMNLLVISFDYFSITRPLTYRAKRTTKRAGVMIGLAWVISFVLWAPAILFWQYFV
 GKRTVPPGECFIQFLSEPTITFGTAIAAFYMPVTIMTILYWRIYKETEKRTELQASGTEAEAEENFV
 HPTGSSRSYELQQGTRSSRRKYGGCHFVFVTKSWKPSAEQMDQDHSSSDSWNNNDAAASLENSAS
 SDEEDIGSETRAIYSIVLKLPGHSTILNSTKLPSDNLQVPDKDLGTMVERNAHKLQAQKSMDDRDNCQ
 KDFSKLPIQLESVDTAKTSDTNSVDKTTAALPLSFKEATLAKRFALKTRSQITKRKRMSLIKEKAAAQ
 TLSAILLAFIITWTPYNIMVLVNTFCDSCIPKTYWNLGYWLCYINSTVNPVCYALCNKTRFTTFKMLLLC
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

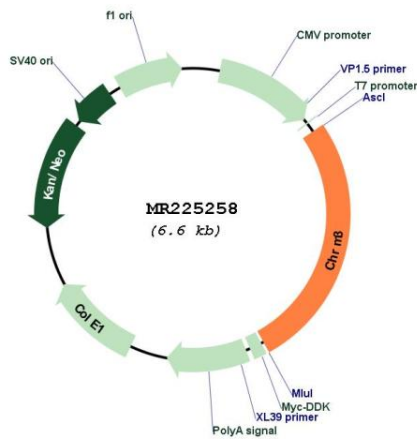
Restriction Sites:

AscI-MluI

RefSeq Size: 3168 bp
RefSeq ORF: 1770 bp
Locus ID: 12671
UniProt ID: [Q9ERZ3](#)
Cytogenetics: 13 3.72 cM
MW: 66.2 kDa

Gene Summary: The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225258