

Product datasheet for **MG210063**

Hnrpm (BC065172) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrpm (BC065172) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrpm
Synonyms:	2610023M21Rik; AA409009; Hnrpm; mKIAA4193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210063 representing BC065172
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCAGGGTCTGAAGCGGCAGCCGAAGTGGCGGCACAGAACCCTAAATGGAGGAAGAGAGCGGCG
CGCCTGCGTGCCGAGCGCAACGGAGCTCCGGGCCCAAGGGTGAAGAACGACCTACTCAGAATGAGAA
GAGGAAGGAGAAAAACATAAAAAAGAGGAGGCAATCGCTTTGAGCCATATTCACCAACCAACTAAAAGATAC
AGAGCCTTCATTACAAATATACCTTTTGTGTAATGGACGCTCAAGGAAAGTCAAGGGGATGTGCTGTTGTTGA
TTGGTGAGGTAACATACGTGGAGCTCTTAATGGACGCTGAAGGAAAGTCAAGGGGATGTGCTGTTGTTGA
ATTCAAGATGGAGGAGAGCATGAAAAAGCTGCTGAAGTTCTAAACAAGCATAGTCTGAGTGAAGGCCA
CTGAAAGTCAAGGAAGATCCTGATGGTGAACATGCAAGGAGAGCAATGCAAAAGGCTGGAAGACTTGGAA
GCACAGTATTTGTAGCAAATCTGGATTATAAAGTTGGCTGGAAGAACTGAAGGAAGATTTAGTATGGC
TGGTGTGGTGGTCCGAGCAGACATTCTGGAAGATAAAGATGGGAAAAGTCTGGAATAGGCATTGTGACT
TTTGAACAGTCCATTGAAGCTGTGCAAGCAATATCTATGTTAAATGGCCAGTTGCTGTTGATAGACCGA
TGCACGTCAAGATGGATGAGAGGGCTTTACCAAGGGGAGACTTTTTCTCTCTGAACGCCACAGCAACT
TCCCCATGGACTTGGTGGTATTGGCATGGGATTAGGACCTGGAGGTGAGCCTATTGATGCCAACCATCTG
AGCAAAGGCATTGGAATGGGAAACCTAGGACCTGCAGGGATGGGAATGGAAGGCATAGGATTTGGAATAA
ATAAAATTGGAGGCATGGAAGGACCTTTGGTGGTGGTATGGAACAATGGGCCGATTTGGATCCGGGAT
GAACATGGGCCGAATAAATGAAATCCTAAGTAAATGCACTGAAGAGAGGAGAGATCATTGCAAAACAGGGA
GGAGGTGGAGCTGGAGGCAGTGTCCCTGGGATCGAGAGGATGGGCCCTGGCATTGACCGCATTAGCGGTG
CTGGCATGGAGCGCATGGGCGCAGGCTTAGGCCATGGCATGGATCGAGTGGGCTCTGAGATTGAGCGCAT
GGGCCTGGTTCATGGACCGCATGGGCTCAGTTGAGCGCATGGGCTCCAGCATTGAGCGCATGGGCCACTA
GGCCTTGACCACATGGCCTCCAGTATTGAGCGCATGGGCCAGACCATGGAGCGCATTGGTTCTGGCGTGG
AGCGCATGGGTGCCGGCATGGGCTTCGGCCTGGAGCGCATGGCCGACCCATTGACCGTGTGGGCCAAAC
CATTGAGCGCATGGGCTCTGGTGTAGAGCGCATGGGTCTGCCATTGAACGCATGGGCCTAAGCATGGAT
CGGATGGTGCCACAGGCATGGGGCCAGCCTGGAGCGCATGGGTCTGTGATGGATCGGATGGCCACCG
GCCTGGAGCGCATGGGCGCAACAACCTGGAGCGCATGGGCTGGAGCGTATGGGAGCCAACAGTCTTGA
GCGCATGGGCTGGAGCGAATGGGCGCAACAGCCTGGAACGTATGGGCCCTGCCATGGGCCAGCATTG
GGCGCTGGTATTGAGCGAATGGGCTGGCCATGGGTGGAGCCGAGGTGCTAGCTTTGACCGAGCCATTG
AGATGGAGCGGGCAACTTTGGAGGAAGCTTCGCAGGTTCTTTGGCGGAGCTGGAGGCCATGCACCTGG
AGTAGCCAGGAAGGCCTGCCAGATATTTGTGAGAAATCTCCCATTTGATTTTACATGGAAGATGCTAAAG
GACAAGTTCAATGAATGTGGCCACGTGCTGTACGCCGACATCAAGATGGAGAACGGAAAGTCCAAGGGGT
GCGGTGTGGTTAAGTTTGTAGTCTCCAGAGGTGGCTGAGAGAGCCTGCCGGATGATGAATGGCATGAAGCT
GAGTGGCCGAGAGATTGATGTTCAATTGATAGAAATGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210063 representing BC065172
 Red=Cloning site Green=Tags(s)

MAAGVEAAAEVAATEPKMEEESGAPCVPSGNGAPGPKGEERPTQNEKRKEKNIKRGGNRFEPYSNPTKRY
 RAFITNIPFDVKWQSLKDLVKEKVGVEVTVYVLLMDAEGKSRGCAVVEFKMEESMKKAAEVLNKHSLSGRP
 LKVKEDPDGEHARRAMQKAGRLGSTVFVANLDYKVGWKKLKEVFSMAGVVVRADILEDKDGKSRGIGIVT
 FEQSIEAVQAISMFNQQLLFDPRMHVKMDERALPKGDFPPERPQQLPHGLGGIGMGLPGGGQPIDANHL
 SKGIGMGNLGPAGMMEGIGFGINKIGGMEGPFGGGMENMGRFGSGMNMGRINEILSNALKRGEIIAKQG
 GGGAGGSVPGIERMGPIDRISGAGMERMAGLGHGMDRVGSEIERMGLVMDRMGSVERMGSSIERMGPL
 GLDHMASSIERMGQTMERIGSGVERMGAGMGFLERMAAPIDRVGQTIERMGSVERMGPAIERMGLSMD
 RMVPTGMGASLERMGPVMDRMTGLERMGANNLERMGLERMGANSLERMGLERMGANSLERMGPAMPAL
 GAGIERMGLAMGGAGGASFDRAIEMERGNFGGSFAGSFGGAGGHAPGVARKACQIFVRNLPDFDTWKMLK
 DKFNECGHVLADIKMENGKSKGCGVVKFESPEVAERACRMMNGMKLSGREIDVRIDRNA

TRTRPLE - GFP Tag - V

Restriction Sites:

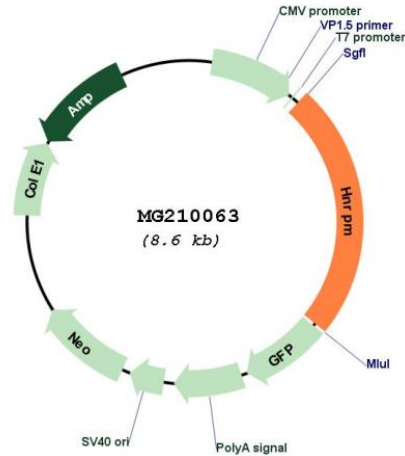
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC065172

ORF Size: 2070 bp

OTI Disclaimer: 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.

RefSeq: [BC065172.1](#)

RefSeq Size: 2362 bp

RefSeq ORF: 2072 bp

Locus ID: 76936

Cytogenetics: 17 B1

Gene Summary: Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro. Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and tumor necrosis factor alpha cytokines (By similarity). [UniProtKB/Swiss-Prot Function]