

Product datasheet for **MG219106**

Hmmr (NM_013552) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmmr (NM_013552) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hmmr
Synonyms:	AA386826; CD168; Rhamm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219106 representing NM_013552
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTTTCCTAAGCGCCCTGAAGAGATTCATGACCCTTCGGGTTGTGCTCCATCTCCGGGTGCTT
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 GTCCAGCTGGAGGAAAAGCTTGTTCATAGAGAAAAGAAAAGATCGATGAAAAATGTGAAACAGAAAAAC
 TCTTAGAATACATCCAAGAAATTAGCTGTGCATCTGATCAAGTGAAAAATGCAAAGTAGATATTGCCCA
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 CCTTCCAAGGCTTTTTGTATGCATCTAAGGAGAATTTACTCCATTAAGAAGGCAACCCAACTGCT
 GC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG219106 representing NM_013552
 Red=Cloning site Green=Tags(s)

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MSFPKAPLKRFPNDPSGCAPSPGAYDVKTSEATKGPVSFQKSQRFKNQRESQQNLNIDKDTLLASAKKAK
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VQLEGKLVSIEKEKIDEKCETEKLLLEYIQEISCASDQVEKCKVDIAQLEEDLKEKDREILSLKQSLEENI
TFQKQIEDLTVKCQLLETERDNLVSKDRERAETLSAEMQILTERLALERQYEKLLQKELQSQSLLQQEK
EL SARLQQQLCSFQEEMTSEKNVFKEELKLALAE L DAVQQKEEQSERLVKQLEEEETKSTAEQLTRLDNLL
REKEVELEKHIAAHAQA IL IAQEKYNDTAQSLRDVTAQLESVQEKYNDTAQSLRDVTAQLESEQEKYNDT
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NLTLQEKVAMAEKSVEDVQQQILTAESTNQEYARMVQDLQNRSTLKEEIKEITSSFLEKIDLNQLRQ
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PSKAFCHASKENFTPLKEGNPNCC
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

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: [NM_013552.2](#), [NP_038580.2](#)

RefSeq Size: 3914 bp

RefSeq ORF: 2385 bp

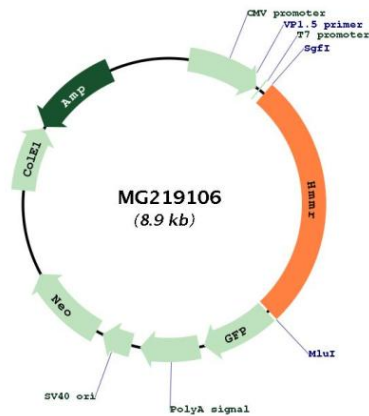
Locus ID: 15366

UniProt ID: [Q00547](#)

Cytogenetics: 11 24.4 cM

Gene Summary: Receptor for hyaluronic acid (HA) (PubMed:1376732). Involved in cell motility (PubMed:1376732). When hyaluronan binds to HMMR, the phosphorylation of a number of proteins, including the PTK2/FAK1 occurs. May also be involved in cellular transformation and metastasis formation, and in regulating extracellular-regulated kinase (ERK) activity. May act as a regulator of adipogenesis (PubMed:22666460).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219106