

Product datasheet for **MC221625**

Hmmr (NM_013552) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmmr (NM_013552) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmmr
Synonyms:	AA386826; CD168; Rhamm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221625 representing NM_013552
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTTCCTAAGCGCCCTGAAGAGATTCAATGACCCTTCGGGTTGTGCTCCATCTCCGGGTGCTT
 ATGATGTTAAACTTCAGAAGCAACTAAAGGACCAGTGTCTTTTCAGAAATCACAAAGATTTAAAAACCA
 AAGAGAGTCTCAACAAAATCTTAACATTGACAAAGATACAACTTGCTTGCTTCGGCTAAAAAAGCAAAG
 AAGTCTGTGTCAAAGAAGGACTCTCAGAAGAATGATAAAGATGTGAAGAGATTAGAAAAAGAGATTCGCG
 CTCTTTTGCAAGAGCGAGGGACTCAGGACAAACGGATCCAGGACATGGAATCTGAATTGGAGAAGACAGA
 AGCAAAGCTCAATGCAGCAGTCAGAGAGAAAACATCTCTCTGCGAGTAAATGCTTCACTGGAAAAACGG
 CTTACTGAATTAACCAGAGCCAACGAGCTACTAAAGGCTAAGTTTTCTGAAGATGGTACCAAAAAGAATA
 TGAGAGCTCTAAGCCTGGAATTGATGAAACTCAGAAATAAGAGAGAGACAAAGATGAGGAGTATGATGGT
 CAAACAGGAAGGCATGGAGCTGAAGCTGCAGGCCACTCAGAAGGACCTCACGGAGTCTAAGGAAAAATA
 GTCCAGCTGGAGGAAAAGCTTGTTCATAGAGAAAGAAAAGATCGATGAAAAATGTGAAACAGAAAAAC
 TCTTAGAATACATCCAAGAAATTAGCTGTGCATCTGATCAAGTGAAAAATGCAAAGTAGATATTGCCCA
 GTTAGAAGAAGATTTGAAAGAGAAGGATCGTGAGATTTTAAAGTCTTAAGCAGTCTCTTGAGGAAAACATT
 ACATTTTCTAAGCAAATAGAAGACCTGACTGTTAAATGCCAGCTACTTGAAACAGAAAGAGACAACCTTG
 TCAGCAAGGATAGAGAAAGGGCTGAAACTCTCAGTGCTGAGATGCAGATCCTGACAGAGAGGCTGGCTCT
 GGAAAGGCAAGAATATGAAAAGCTGCAACAAAAGAATTGCAAAGCCAGTCACTTCTGCAGCAAGAGAAG
 GAACTGTCTGCTCGTCTGCAGCAGCAGCTCTGCTCTTCCAAGAGGAAAATGACTTCTGAGAAGAAGCTCT
 TTAAGAAGAGCTAAAGCTCGCCCTGGCTGAGTTGGATGCGGTCCAGCAGAAGGAGGAGCAGAGTGAAAG
 GCTGGTTAAACAGCTGGAAGAGGAAACGAAGTCAACTGCAGAACAACCTGACGCGGCTGGACAACCTGCTG
 AGAGAGAAAGAAGTTGAACTGGAGAAAACATATTGCTGCTCACGCCCAAGCCATCTTGATTGCACAAGAGA
 AGTATAATGACACAGCACAGAGTCTGAGGGACGTCAGTCTCAGTTGGAAAGTGCAAGAGAAGTATAA
 TGACACAGCACAGAGTCTGAGGGACGTCAGTCTCAGTTGGAAAGTGAGCAAGAGAAGTACAATGACACA
 GCACAGAGTCTGAGGGACGTCAGTCTCAGTTGGAAAGTGAGCAAGAGAAGTACAATGACACAGCACAGA
 GTCTGAGGGACGTCAGTCTCAGTTGGAAAGTGCAAGAGAAGTACAATGACACAGCACAGAGTCTGAG
 GGACGTCAGTCTCAGTTGGAAAGCTATAAGTCATCAACACTTAAAGAAATAGAAGATCTTAAACTGGAG
 AATTTGACTCTACAAGAAAAGTAGCTATGGCTGAAAAAAGTGTAGAAGATGTTCAACAGCAGATATTGA
 CAGCTGAGAGCACAAATCAAGAATATGCAAGGATGGTTCAAGATTTGCAGAACAGATCAACCTTAAAGA
 AGAAGAAATTAAGAAATCACATCTTCTTTCTGAGAAAATAACTGATTTGAAAAATCAACTCAGACAA
 CAAGATGAAGACTTTAGGAAGCAGCTGGAAGAGAAAGGAAAAAGAACAGCAGAGAAAAGAAAATGTAATGA
 CAGAATTAACCATGGAAATTAATAAATGGCGTCTCCTATATGAAGAACTATGAAAAAACTAAACCTTT
 TCAGCAACAACCTGGATGCCTTTGAAGCCGAGAAACAGGCATTGTTGAATGAACATGGTGCAACTCAGGAG
 CAGCTAAATAAATCAGAGACTCCTATGCACAGCTACTTGGTACCAGAACCTAAAGCAAAAAATCAAAC
 ATGTTGTGAAATTGAAAGATGAAAATAGCCAACCAAATCGGAGGTGTCAAACCTCCGATCTCAGCTTGT
 TAAAAGGAAACAAAATGAGCTCAGACTTCAGGGAGAATTAGATAAAGCTCTGGGCATCAGACACTTTGAC
 CCTTCCAAGGCTTTTTGTGCATGCATCTAAGGAGAATTTTACTCCATTAAGAAGGCAACCCAACTGCT
 GCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013552
Insert Size: 2385 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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]