

Product datasheet for **MC219202**

Mpp7 (NM_001081287) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp7 (NM_001081287) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mpp7
Synonyms:	1110068J02Rik; 2810038M04Rik; 5430426E14Rik; AI415104; Gm955
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219202 representing NM_001081287
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAGCGCTGGCCACAGGATCGGCTTGCACATGGGTCTGTATGAGCTGTTGGCTGCTCTGCCTGCCC
 AGCTGCAGCCACATGTGGATAGCCAGGAGGACCTGACCTTCCTCTGGGACGTGTTTGGTGAAAAGAGCCT
 GCATTCAGTGGTCAAGATTTCATGAAAACTTCACTGCTATGAGAAGCAGAATCCGTTGCCATTCTCCAT
 GGTGCAGCAGCGTTGGCTGATGATCTGACTGAAGAGCTACAGAACAAGCTACCAACAGTGAGATCAGAG
 AGCTGTTGAACTGCTGTCAAACCCAATGTCAAGGCTTTGCTGTCAGTACATGATACTGTGGCTCAAAA
 GAGTTATGATCCTGTATTGCCTCCCGTGCCTGACGATATTGATGATGAGGAAGACTCTGTGAAAATAATC
 CGCCTGGTCAAAAATAGCGAGCCCCTGGGTGCTACCATTAAGAGATGAGCAGACCGGAGCAATCACTG
 TGGCCCGAATCATGCGGGGAGGAGCTGCAGATAGAAGTGGTCTTATTCACGTGGGTGATGAGCTGAGGGA
 AGTGAATGGAATCCAGTGGAAGATAAGAGGCCTGAGGAAATAATAAAGATTTTGAGTCAGTCCAAGGGA
 GCAATTACATTTAAGATAATACCCAGCACCAAGAGGAGACACCTTCGAAAGAAGGCAAGATATTTATCA
 AAGCCCTCTTTGACTACGATCCTAAGGAAGACAAGGCAATCCCGTGTAAAGAGGCAGGGCTGTCTTCAG
 GAAGGGGGACATTCTCAGATTATGAGCCAAGATGATGTGACATGGTGGCAGGCTAAGCATGAAGGAGAT
 GCCAACCCAGAGCGGGCCTGATTCCTCCAGCACTTCAGGAACGGAGACTGGCTCTGAGACGACCAG
 AAATAGTAGTTACGCCTCTGAACTTTCCAACACGAAATCATCTGGTTTTAGAAGAAGTTCCGCTTTAG
 CAGAAAAAATAAGAAAAATAAAGTCCATGTATGAATGCAAAAAGAGTGAGCAGTATGACACGGCAGAT
 GTGCCCACATATGAGGAGGTGACACCCCTACCGGCGGCAGATCCATGACAAATACAGACTCATTGTCCTGG
 TTGGTCTGTGCGAGTCGGGCTAAATGAGCTGAAGCGAAAGCTATTGATGAGTGATGCACAGCACTATGG
 TGTGATAGTGCCCCACACCACTAGAGCAAGAAGCAAGAGAGTGATGGTGTGGAATATATTTTATT
 TCCAAACATTTGTTTGAGACAGATGTACAAAATAACAAGTTCAATTGAGTATGGTGAATATAAAAAACACT
 ATTATGGTACAAGTATAGACTCGGTTGCTCTGTCTAGCTAAGAACAAGGTTTGTCTGTTGGATGTCCA
 GCCTCATACAGTGAAGCATTTAAGGACTGGAGTTCAAACCTATGTGATATTTATAAACCTCCATCC
 ATAGAGCGTTTGAGAGAGACAAGAAAAATGCAAAGATTATTTCAAGCAGAGATGACCAAGGAGTGCAA
 AGCCCTTCACGGAAGAAGACTTTCAGGAAATGATTAATCAGCACAGATAATGGAAGTCAATATGGCCA
 TCTTTTGTACAAAATCATAATCAATGATGATCTTACTGTGGCATTAAATGAGCTAAAAACAACATTTGAC
 AAAGTAGAGACTGATACCATTTGGTCCCAGTGAGTTGGTTACATTCA**TA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081287

Insert Size: 1731 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081287.2, NP_001074756.2</u>
RefSeq Size:	4975 bp
RefSeq ORF:	1731 bp
Locus ID:	75739
UniProt ID:	<u>Q8BVD5</u>
Cytogenetics:	18 A1
Gene Summary:	Acts as an important adapter that promotes epithelial cell polarity and tight junction formation via its interaction with DLG1. Involved in the assembly of protein complexes at sites of cell-cell contact (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Both variants 1 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.