

Product datasheet for **MC225149**

Mpdz (NM_010820) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpdz (NM_010820) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mpdz
Synonyms: AI225843; B930003D11Rik; MUPP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225149 representing NM_010820
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGGAACCATAGACAAAAATCGGGCCCTGCAGGCAGCAGAGCGCTTGCAAAGCAAGCTGAAAGAAC
GCGGGGATGTTGCAAATGAAGACAACTGAGTCTCCTGAAGTCTGTCCTGCAGAGTCCACTCTTCAGTCA
GATCTTGAACCTTCAGACTTCACTACAGCAGCTAAAAGACCAGGTAACATTGCTACTTTGGCAACTGCA
GCTGCTGACCATGCCCACTCCTCAGTTCAGCTCTGCTGTCATTCTAACCTGCAAAGTGAGTCACTTC
TGCTGCTCCTCAAATCATGGGAACCTGGAAGCCCTTCTGGACCTGGTGTCCAGCTGTATGGATGGGAA
GCCTACCTGTGACGAACCTTGATCAGCTCATTAAAAATATGGCCAGGGTCCGATGTGGAAATATTTGAG
CTCCTTAAACCTCCGTGTGGAGGCTCGGCTTTAGTGTGTTGGGCTCAGAAGTAAAAACAGGGGCGAGC
TGGGGATATTTGTCCAGGAGATTGAGGAGGCGAGTGTGGCTCACAGAGATGGCAGACTTAAGGAAACCGA
CCAGATCCTCGCCATCAATGGCCAGGTCCTAGACCAGACGATCACACACCAGCAGGCCATTAGCATCCTG
CAGAAGGCCAAAGACACCGTGCAGCTTGTGATTGCCAGAGGATCTTTGCCGCCGGTCTCCAGCCCACGGA
TTTCCCCTCTCCATCAGCAGCCAGCACATTTAGCCCACTCGAATCCAATGCACTGGCAGCATGTGGA
GACCATAGAGCTGGTAAACGATGGTCCGCTGGGTTTGGCATCATAGGAGGAAAGGCGACTGGTGTG
ATAGTGAAGACAATCTTGCTGGAGGAGTAGCCGACCAGCATGGGCGATTATGCAGTGGAGACCACATTC
TAAAGATTGGTGACACTGACCTAGCAGGAATGAGCAGTGAAGTAGCAAGTAGCAAGTCCCTTAGGCAGTGTGG
AAATAGAGTTAAGCTGATGATTGCCAGAGGTGCTGTAGAAGAAACGCCAGCATCCTCCTTTGGGCATC
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GTGAGACGTTTGTGTTGAACTCACTAAAAATGTCCAAGGACTAGGAATTACCATTGCTGGTTATATTGG
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TGTCAGCTGAGCTGGAAGAAGCTGAAGATGTGCAGCAAGAGGCTGCCCTGCTGACCAAGTGGCAGAGGAT
TATGGGAATTAACATGAAATAGTGGTGGCTCATGTGAGCAAGTTTAGTGAGAATAGTGGGCTGGGAATA
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CAGTCAGTGGAGAAAGGAAAGACAACCTCCAGACTCCTGCAGTCCAGCTCCAGACCTGGAACCCATCCC
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CACTGCTGGGTGCTATTATTATCCATGAAGTTTATGAAGAGGGAGCAGCGTGTAAAGATGGAAGACTATG
GGCTGGAGACCAGATTTAGAGGTAATGGGATTGACTTGCGAAAGGCTACACATGATGAAGCAATCAAT
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CAAAAGAAATGACACTGGAGTATTTGTATCAGACATTGTCAAGGGAGGCATTGCAGACGCCGATGGGAGA
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 CTGCCCTGCTAAAGTGTTCCCTAGGTGCAGTAACCCTGGAGGTTGGAAGAGTCAAAGCTGCCCCATTCCA
 CTCAGAACGGAGGCCTTCTCAAAGCAGCCAGGTGAGTGAGAGCAGCCTGTCATCTTTCACCTCCCCACTT
 TCTGGAATAAATACATCAGAGTCATTGGAAAGTAACTCGAAGAAAAATGCATTAGCATCTGAAATTCAGG
 GACTAAGAACAGTCGAAAATAAAAAAGGGCCTGCTGACTCGCTGGGACTCAGCATTGCTGGAGGAGTGGG
 CAGCCCCCTCGGAGATGTCCCTATATTTATTGCGATGATGCACCCAAATGGTGTTCAGCTCAAACACAA
 AAACCTCAGAGTTGGGGATAGGATTGTACCATCTGTGGCACATCCACGGATGGGATGACTCACACACAGG
 CGGTAACTTGATGAAAAATGCCTCAGGCTCCATTGAAGTACAGGTGGTTGCTGGAGGAGATGTGAGTGT
 GGTACGGGTATCAGCAAGAACTTGCCAATCCTTGCTTCTTTCACCTGGGCTGACATCAAGCAGTATA
 TTTCCGGATGATTTAGGCCCTCCACAGTCTAAGACCATTACGCTAGACCGAGGACCAGATGGCTTAGGCT
 TCAGCATTGTAGGCGCTATGGCAGCCCTCATGGAGACTACCAATTTATGTGAAAACAGTGTGGCAA
 GGGAGCAGCAGCAGAAGATGGGCGTCTAAAAAGGGCGATCAGATCATTGCTGTCAATGGCAAAGTCTA
 GAAGGAGTGACCCATGAAGAAGCTGTTGCCATCCTCAAGAGGACAAAGGGCACCGTACCCTCATGGTTC
 TCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010820
Insert Size:	6168 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:	<u>NM_010820.3</u> , <u>NP_034950.2</u>
RefSeq Size:	7526 bp
RefSeq ORF:	6168 bp
Locus ID:	17475
UniProt ID:	<u>Q8VBX6</u>
Cytogenetics:	4 38.0 cM

Gene Summary:

Interacts with HTR2C and provokes its clustering at the cell surface. Member of the NMDAR signaling complex that may play a role in control of AMPAR potentiation and synaptic plasticity in excitatory synapses (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.