

Product datasheet for MR219407

Mpdz (NM_010820) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpdz (NM_010820) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mpdz
Synonyms: AI225843; B930003D11Rik; MUPP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219407 representing NM_010820
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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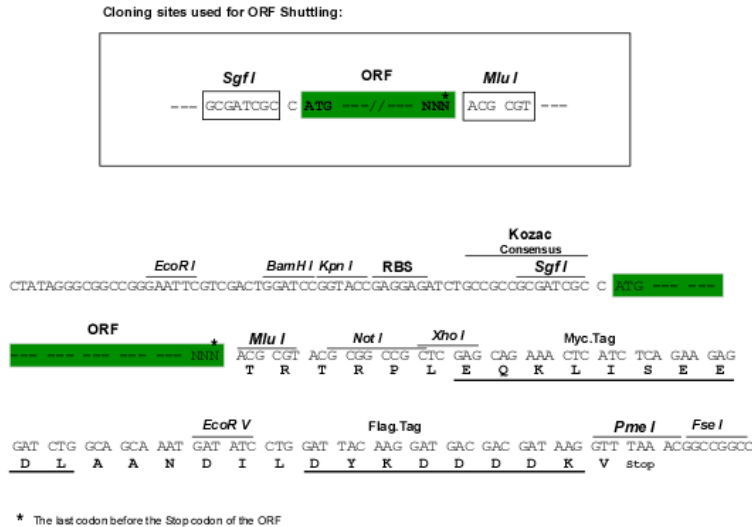
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Protein Sequence: >MR219407 representing NM_010820
 Red=Cloning site Green=Tags(s)

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_010820

ORF Size: 6165 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: [NM_010820.3](#), [NP_034950.2](#)

RefSeq Size: 7515 bp

RefSeq ORF: 6168 bp

Locus ID: 17475

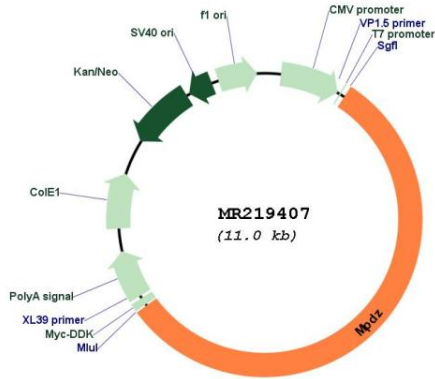
UniProt ID: [Q8VBX6](#)

Cytogenetics: 4 38.0 cM

MW: 219.2 kDa

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]

Product images:



Circular map for MR219407