

Product datasheet for **SC117743**

Mupp1 (MPDZ) (NM_003829) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mupp1 (MPDZ) (NM_003829) Human Untagged Clone
Tag: Tag Free
Symbol: Mupp1
Synonyms: HYC2; MUPP1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003829 edited
 CTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTC
 GGCACGAGGGCAAGTGCAGCGCGCTGGGGGAGGGGCGCGGAGCGCTAGGCTGGC
 GTCGGGCCACCGGGATTAAAGTTTCTCAGTCACGCAGTTCCATTTTAATTGCTGTTAAT
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CATACAGGACAACTGTGCTCCTGACACTAATGAGGAGAGGAATGAAGCAGGAAGCCGAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003829 unedited
 TAAGTTTCTCAGTCACGCAGTTCATTTAATTGCTGTTAATCATTTCAGAGAAGAACAC
 TGAACTTTGAAAAAATGTTGGAAGCCATTGACAAAAATCGGGCCCTGCATGCAGCAGAG
 CGCTTGCAAACCAAGCTGCGAGAACGTGGGGATGTAGCAAATGAAGACAAACTGAGCCTT
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003829 unedited
 NNTTTCTACTATGNACGCGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTAT
 TTTTATTTTTCATCCTAATTTACTGAAGCCATTTTCTTTGGTTAGCTTTAGAATTATCTT
 TCTTTATACTAACCAGCTTAGCATGTAATAATCTTGCCCATGTGACTACAAAACATTAG
 ATATCTCCACAAATAAAAACGAGATTACCTACACAAATATTCCTTCTCTTAAAGTTCAC
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 GAGAAAAAGAACTTAAGTGTTATTTCCCCCTACAGTTTTGAAGACCCGGCTGAACACA
 GCATAAAAATTGTCAGGACCAGTGCATTCTTTACAGTAGGAGGTGAGCTAGGGTTGG
 GTTGTTCAATTCTGGCAGCCAATTCAAGAGAGAACCATCAAAGTGACAGTGCCTTTTGT
 CCGTTTTAAGGATGGCAACAGCTTCTTCATGGGTGACTCCTTCTAGACTCTGCCATTGAC
 AGCAATGATCTGATCGCCCTTTTCAGACGTCCGTCTTCAGAGGCTGCTCCCTTTGCAA
 CACTGTTTTAACATAAATGGTAAGTCTCCATGAGGGCTGCCATATCCTCCAACATACT
 GAAGCCTAAGCCATCTGGTCTCGCTCTAGTGAATAGACTTACATTGAGGAGGTCTAA
 ATCATCTGAAATATACTGCTTGACGTCAGCCCAGTGAAGAAAGACTGGNNACTGCAGGC
 TNCTGCTGATGACCTGTGACCACACTCAGTNTNCTNCAGCAACCACCTGCATTTNCATG
 GNAGCAGATGCACTTTTCAGTAGNTAACTGCCTGGGTGTGAGTCATGGCCTCAATGAAGT
 GNCCNACGATGTGCAANTCCTCNCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_003829

Insert Size:

7680 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_003829.1](#), [NP_003820.1](#)

RefSeq Size: 6582 bp

RefSeq ORF: 6129 bp

Locus ID: 8777

UniProt ID: [O75970](#)

Cytogenetics: 9p23

Domains: PDZ, L27

Protein Pathways: Tight junction

Gene Summary: The protein encoded by this gene has multiple PDZ domains, which are hallmarks of protein-protein interactions. The encoded protein is known to interact with the HTR2C receptor and may cause it to clump at the cell surface. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]