

Product datasheet for **MR208953**

Mpp3 (NM_007863) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpp3 (NM_007863) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mpp3
Synonyms:	6430514B01; Dlgh3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208953 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAGTACTGTCTGAAGACTCGGGTTTGCATGAGACCTGGCACTGCTCACCTCTCAGCTCAGGCCTG
 ACTCCAACCATAGGGAGGAGATGGGCTTCTGAGAGATGTCTCAGTGAGAAGAGCCTCAGTTATTTAAT
 GAAGATTCATGAGAACTCCGCTATTATGAGAGGCAGAGTCCAACCCAGTCCTCCACAGCGCCATGGCC
 CTTGCTGAGGATGTGATGGAGGAGCTGCAGGCTGCCTCTGTGCACAGTGTGAGCGGGAGCTGCTGCAGC
 TGCTGTCCACCCCCACCTCAGGCTGTGCTCATGGTCCACGACACGGTTGCCAGAAGAACTTCGATCC
 TGTTCTGCCCCCTCTGCCGATAACATCGATGAGGATTTGAAGAGGAGTCGGTGAAGATTGTTGCTTGTG
 GTGAAGAATAAGGAGCCCTGGGTGCCACCATCCGACGGGATGAGCATTGGGGGCTGTTGTGGTGGCCA
 GGATCATGCGAGGGGGTGCAGCAGACCGGAGCGGTCTGGTCCACGTTGGCGATGAGCTCCGAGAGGTGAA
 TGGGATCGCCGCTCTGCACAAGCGTCCAGACGAGATCAGCCAAATCTGGCCCAATCCCAGGGATCCATT
 ACCCTGAAGATCATCCCTGCCACCCAGGAGGAAGACCGCTTCAAAGACAGCAAGGTATTCATGCGTGCC
 TCTTCCATATGACCCTCGGGAGGACCGTGCCATCCCCTGCCAGGAGGCTGGCCTGCCCTTCCAGCGGAG
 GCAGGTCTGGAGGTGGTGGCCAAAGTACCCACCTGGTGGCAGGCCAAGAGAGTAGGCGACACCAAC
 CTTGAGCTGGCCTCATCCCATTAAGCAGTTCAGGAGAGGGCGGCTGAGCTACCGGAGAACCCTGGCA
 CCTTACCAAGCCCCAGAACTTCAAAAAGCCCCCTATGATCAGCCTTGACAAAGAGACCTGTGACTG
 TGATGGTACTTTAAAGGACATTATGTGGCTGGTCTTCGAGAAGCTTCGGCTGGGCTGCAGGGAGAGG
 CTGGGTGGCTCGCAGGAAGCAAAGTCCCTACAGGAGCTGAGTCTCAGGTGCTGCTGACGTACGAGGAAG
 TGCCAGGTACCAACACCAGCCTGGGAGCGGCCCGCCTGGTGGTTCTCATTGGTCCCTGGGAGCCCA
 CCTCCATGAGCTGAAGCAAAGGGTGGTGGCTGAGGACCCCAAGCAGTTCGCGTTGACGTTCCACACACC
 ACCAGGCCCGGAAGAGCCACGAGAGAGACGGGTGGAGTACCATTTTGTCTCCAAGCAAGCGTTTGAGG
 CCGACGTACATCACAACAAGTTCCTGGAGCATGGAGAATATAAGAGAATCTCTACGGCACCAGCCTAGA
 GGCCATTCAGGCTGTTATGGCCAAAAACAAGTGTGTTTGGTGGATGTAGAACCAGAAGCACTAAGACAC
 CTGAGGACCCCTGAGTTAAGCCCTATGTTATATTTGTGAAGCCTGCAATTCAGGAGAGAAGGAAGACGC
 CGCCGGTGTCCCAGACTCTGAGGACATAGCATCTTCACTTGATGAACAGCAGCAAGAGATGGCCGCTC
 TGCTGCCTTCATAGATCAGCACTATGGCACCTGATAGACACTGTCTCGTGAGGACAGGACTGCAGGAG
 GCCTGCAGCCAGCTCAGAGCTGCATAGAGACGCTGAGCAAGGACTTCTGGGTACCCATCAGCTGGG
 TGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208953 protein sequence
 Red=Cloning site Green=Tags(s)

MPVLSSEDSGLHETLALLTSQLRPDSNHREEMGFLRDVFSEKSLSYLMIHEKLYRYSPTPVLHSAMA
 LAEDVMEELQAASVHSDERELQLLSTPHLRVLMVHDTVAQKNFDPVLPPLPDNIDEDFEEESVKIVRL
 VKNKEPLGATIRRDEHSGAVVVARIMRGGAAADRSGLVHVGDELREVNGI AVLHKRPDEISQILAQSQSGSI
 TLKIIPATQEEDRFKDSKVFMRALFHYDPREDRAIPCQEAGLPFQRRQVLEVV SQDDPTWWQAKRVGDTN
 LRAGLIPSKQFQERRLSYRRTTGLPSPQNFKPPYDQPCDKETCDCDGYFKGHYVAGLRRSFRLGCRER
 LGGSQEAKVPTGAESQVLLTYEEVARYQHQPGERPRLVVLIGSLGAHLHELKQRVVAEDPQQF AVAVPHT
 TRPRKSHERDGVYHFVSKQAFEADVHHNKFLEHGEYKENLYGTSLEAIQAVMAKNK VCLVDVEPEALRH
 LRTPEFKPYVIFVKPAIQERRKTPPVSPDSEDIASSLDEQQQEMAASAAFIDQHYGHLIDTVLVRQDLQE
 ACSQLRAVIETLSKDTSWPISWVR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_007863

ORF Size: 1758 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_007863.2](#), [NP_031889.2](#)

RefSeq Size: 2860 bp

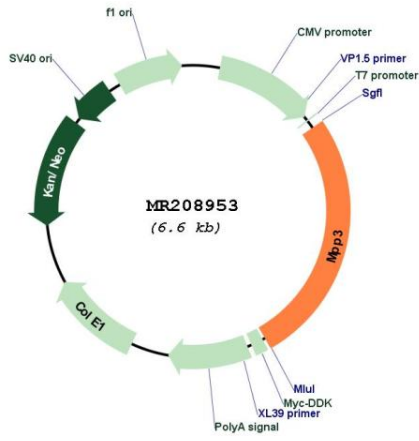
RefSeq ORF: 1758 bp

Locus ID: 13384

Cytogenetics: 11 65.48 cM

MW: 66.5 kDa

Product images:



Circular map for MR208953