

Product datasheet for **MR221286**

Mmp28 (NM_080453) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp28 (NM_080453) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp28
Synonyms:	D130023P12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221286 representing NM_080453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGCTGGCGTGAGTCTCCTGCTGCGCGCCCTGCCGCTGCTGCTGTGGGGCTGCCAGGACGCACAGC
 CCACCCAGCACGGACTCCCGGAGCTGCGCCAGGAGGCAGAGGCATTCTTGAGAAGTATGGATACCTCAG
 TGAGCAGGGCTCCAAAGCCCCAGCCTCCGCACAGTTCAGGAACGCCATCAGAGAGTTCAGTGGATATCC
 CAGCTGCCCTCAGTGGTGTGCTGGACCAGGCCACACTGCGCCAGATGACCCGCCACGCTGTGGGGTTG
 CGGATACTGACAGTATGCCACTTGGACAGAGAGGATCAGTACCCTGCTTGTGGACACCGAGCCAAAT
 GAGGCGTAAGAAACGCTTTGCAAAGCCAGGTAACAAATGGTACAAGCAGCATCTTCTACCGCCTGGTG
 AACTGGCCTGAGCGCTGCCGAGCCAGCTGTTGAGGGCCGTCGCGCTGCCTCCAGCTGTGGAGTA
 ATGTGTCAGCACTGGAGTCTGGGAAGCCCCAGCCACGGGCCCTGCCGACATCCGCCTCACCTTCTCCA
 AGGAGACCACAATGATGGCTGGCAACGCCTTCGATGGCCAGGGGGTGCCTGGCACACGCCTTCTG
 CCCCGCGGGGCGAAGCGCATTTGACGGAGACGAGCGCTGGTCTCTGAGCCGCCCGTGGGCGCAACT
 TGTTCTGGTGTGGCGCACGAAATCGGCCACACGCTCGGTCTCACGCACTCGCCCGCGCCACGGGCGCT
 TATGGCGCCTACTACAAGAAGCTGGGCGCGACGCCTTGTCTAGCTGGGACGATGTGCTGGCGGTGCAG
 AGCCTGTACGGAAGCCTCTGGGACGCTCAGTAGCCACCAACTCCCGGAAAGGTGTTCACTGACTTTG
 AGGCTGGGACCCCACTCCAGAGCAGACGCCCGGAAACCAGAGGTCTAAATACTGCCACTCTTC
 CTTTGTGCCATCACTGTAGGGAGTTACTTCTGGGAAGTCACAGTTGATGGCAATGTTTCAGAGCCTCGT
 CCACTACAGAAAAGATGGCCAGGACTGCCACCTGGTATTGAGGCTGCTGCAGTGTCTTTGGAAGATGGAG
 ACTTCTACTTCTTAAAGGGAATCGTTGTTGGAGGTTCCAGGGCACGAAGTCCGTGTGGGGTTCGCACA
 GCTCTGCCGGGCAGGTGGTCTACCCCGACCCGACGAGCTCTCTTCTCCCGCTCTGCGCCGCTA
 GTCTCTTCAAGGTTCCCGCTACTACGTGCTAGCTCAAGGAGGATGCAAGTGGAGCCCTACTATCCCC
 GCAGCCTGCGAGACTGGGCGGTGTCCCGAGGAGGTCAGCGCGCCCTGCCAAGCCGGATGGCTCCAT
 TATCTTCTCAGAGATGACCACTATTGGCATTGGATCAAGCCAAACTGCGGGTGACCAGCTCCGGTCGC
 TGGGCTACCGAGCTGTCTGGATGGGCTGTTGGAATGCCAACTCAGGAGGTGCCCTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221286 representing NM_080453
 Red=Cloning site Green=Tags(s)

MVAGVSLLLRALPLLLWGCQDAQPTQHGLPELRQEAFAFLEKYGYLSEQGSKAPASAQFRNAIREFQWIS
 QLPLSGVLDQATLRQMTRPRCGVADTDSHATWTERISTLLAGHRAKMRRKKRFAKPGNKWYKQHLSYRLV
 NWPERLPEPAVRGAVRAAFQLWSNVSALEFWEAPATGPADIRLTFQGDHNDGLANAFDGPGGALAHAF
 PRRGEAHFDGDERWLSRRRGRNLFVLAHEIGHTLGLTHSPAPRALMAPYYKKLGRDALLSWDDVLAVQ
 SLYGKPLGRSVATQLPGKVFTDFEAWDPHNSQSRRPETRGPKYCHSSFDAITVGSYFWEVTVDGNVSEPR
 PLQKRWPLPPGIEAAAVSLEDGDFYFFKGNRCWRFQGTKSVWGFQALCRAGGLPRHPDAALFFPPLRRL
 VLFKGSRYVLAQGGMQVEPYPRSLRDWAGVPEEVSGALPRPDGSIIFFRDDHYWHLDAQLRVTSSGR
 WATELSWMCWNANSSGALF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9007_b02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_080453

ORF Size: 1530 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_080453.3](#), [NP_536701.1](#)

RefSeq Size: 2311 bp

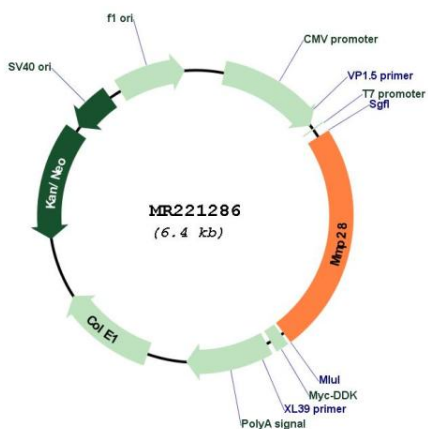
RefSeq ORF: 1533 bp

Locus ID: 118453

Cytogenetics: 11 C

MW: 57.8 kDa

Product images:



Circular map for MR221286