

Product datasheet for **RG207913**

MD1 (LY86) (NM_004271) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MD1 (LY86) (NM_004271) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MD1
Synonyms: dj80N2.1; MD-1; MD1; MMD-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207913 representing NM_004271
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGGTTTCACAGCCACTCTCTTCTCTGGACTCTGATTTTTCCAGCTGCAGTGGAGGCGCGGTG
GAAAGCCTGGCCACACACGTGGTCTGTAGCGACAGCGCTTGGAAAGTCTCTACCAGATTGCGATCC
ATTACAAGATTTGGCTTTTCTGTTGAAAAGTGTCCAAGCAATAAAATCAAATATCAACATTAGATTT
GGAATTATCTGAGAGAGACATCAAAGAGCTTTTCTTGACCTAGCTCTCATGTCTCAAGGCTCATCTG
TTTTGAATTTCTCTATCCATCTGTGAGCGGCTCTGCCAAGTTTTCTTCTGTGGAAGAAGGAAAGG
AGAGCAGATTTACTATGCTGGGCCTGTCAATAATCCTGAATTTACTATTCTCAGGGAGAATACCGGTT
TTGCTGGAAGTGTACACTGAAAAACGGTCCACCGTGGCCTGTGCCAATGCTACTATCATGTGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207913 representing NM_004271
Red=Cloning site Green=Tags(s)
MKGFTATLFLWTLIFPSCSGGGGKAWPTHVVCSDSGLVLYQSCDPLQDFGFSVEKCSKQLKSNINIRF
GIILREDIKELFLDLALMSQSSVLNFSYPICEAALPKFSFCGRRKGEQIYYAGPVNNPEFTIPQGEYQV
LLELYTEKRSTVACANATIMCS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_004271

ORF Size: 486 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_004271.4](#)

RefSeq Size: 895 bp

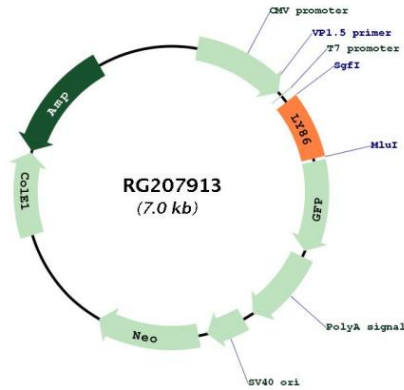
RefSeq ORF: 489 bp

Locus ID: 9450

UniProt ID: [O95711](#)

Cytogenetics: 6p25.1
Domains: ML
Protein Families: Secreted Protein
Gene Summary: May cooperate with CD180 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS) and cytokine production. Important for efficient CD180 cell surface expression (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207913