

Product datasheet for MR227580

Tmigd3 (NM_027025) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmigd3 (NM_027025) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmigd3
Synonyms: 1700001d09rik; 4930578J19Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227580 representing NM_027025
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTTCCTCCTCTCTCCTTGGCTCTCTTTCCGATGCCATGGTCATGGATGAAAAGGTGAAAT
 CAGGTGTTGAGCTGGAGACAGCTTCTGCAGTCTGTCTATGATGCCTACTACAAGGACCACCAAGTA
 CTGGTGCCGTGGCTACTCAGGGACTCGTGAACATTATGCCTCACCCCTAATAGCACCAACCGTGTG
 GCCCTGAAGGATACAGGAAACCAACTCATTATCACTATATCCTGCCTGGTCAAGGAGACACAGGCTGGT
 ACTGGTGTGGTATCCAGCGGGACTTGGCCAGAGATGACATGGATTTACACAGCTGATTGTGACTGACAA
 TAGAGAAGACCGGCAATGGCTTTTCATCTGACCCTCAGGCAATAGGACCCGGAGCTGTAGGGCTTCC
 AAAGCTGTCCAAAAGGCAGAGGGCTCCCGAATGTCCATTCTGATCATTTGTATACTGATTACCAGTTTGG
 GGATCATCTTTATAATCAGTCACTTGTCCAGAGGAAGGCGAAGCCAAAGAAATAGAGAAGTTACTGGCAA
 AAGCATCAGTAGAAACCCACAAGCAAGCAAGGCCCGTCTATGGTCTCCATAACTTTGGCAAGGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227580 representing NM_027025
 Red=Cloning site Green=Tags(s)

MEFLLLLSLALFSDAMVMDEKVKSGVELETASAVCVYDAYYKDHTKYWCRGYFRDSCNIIAFTPNSTNRV
 ALKDTGNQLIITISCLVKEDTGWYWCGIQRDLARDDMDFTQLIVTDNREDRANGFSSDPSGNRTRSCRAS
 KAVQKAEGSRMSILIIICILITSLGIIFIISHLRGRRSQRNREVTGKISIRNPQASQGPSMVSITLARI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

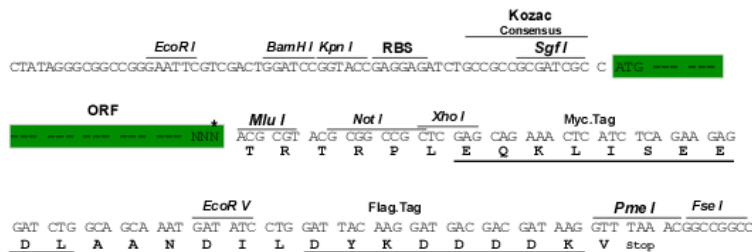
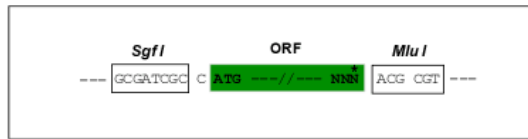


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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027025

ORF Size: 627 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_027025.4](#), [NP_081301.2](#)

RefSeq Size: 927 bp

RefSeq ORF: 630 bp

Locus ID: 69296

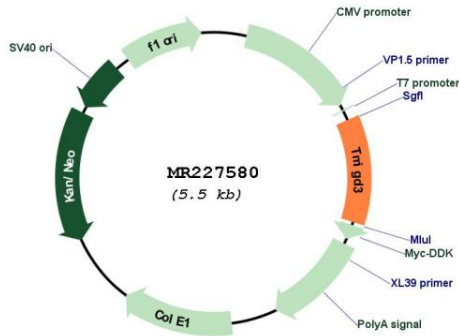
UniProt ID: [G3X8R9](#)

Cytogenetics: 3

MW: 23.9 kDa

Gene Summary: This gene encodes a transmembrane and immunoglobulin domain-containing protein. Alternative splicing results in multiple transcript variants, one of which shares its 3' terminal exon with that of the overlapping adenosine A3 receptor gene (GenelD:11542). [provided by RefSeq, Nov 2014]

Product images:



Circular map for MR227580