

Product datasheet for **RG236305**

TMIGD3 (NM_001302680) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMIGD3 (NM_001302680) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMIGD3
Synonyms: AD026
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236305 representing NM_001302680.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGGTCTCCAGCAGGACCCATTGAGCAGAAGGAGGCCAGGTGGGAAAGCTCCTGGGAAGAGCAG
CCAGACTGGACTGGGCTGCTTGGTCTGAGTCAACACCAATCATGTGGCCCTGAGGGACACAGGG
AACCAGCTCATTGCACTATGTCCTGCCTGACCAAGAGGACACGGGCTGGTACTGGTGTGGCATCCAG
CGGGACTTTGCCAGGGATGACATGGATTTACAGAGCTGATTGTAAGTACGACAAAGGAACCTGGCC
AATGACTTTTGGTCTGGGAAAGACCTATCAGGCAACAAAACAGAAGCTGCAAGGCTCCCAAAGTTGTC
CGCAAGGCTGACCGCTCCAGGACGTCCATTCTCATCATTTGCATACTGATCACGGGTTTGGGAATCATC
TCTGTAATCAGTCATTTGACCAAAAGGAGGAGAAGTCAAAGGAATAGAAGGGTAGGCAACACTTTGAAG
CCTTTCTCGCGTGTCTGACTCCAAAGGAAATGGCTCCTACTGAACAGATG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236305
Blue=ORF Red=Cloning site Green=Tag(s)

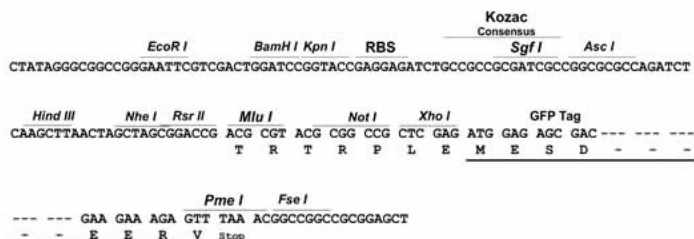
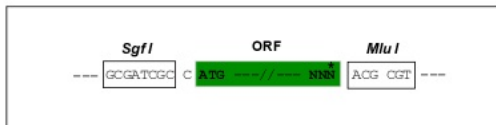
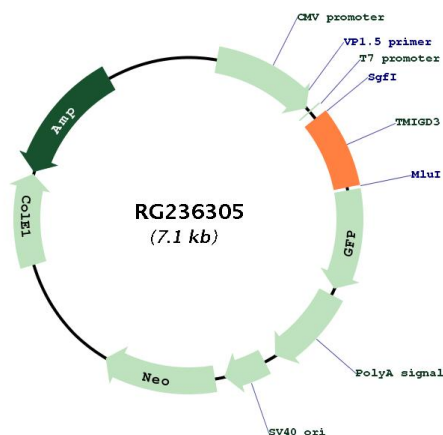
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MEGSPAGPIEQKEARWESSWEEQPDWTLGCLSPESHTNHVALRDTGNQLIVTMSCLTKEDTGWYWGIIQ
RDFARDMDFTLIVTDDKGTLANDFWGKDLGKTRSKAPKVVRRKADRSRTSILIIICILITGLGII
SVISHLTKRRRSQRNRRVGNLTKPFSRVLTPKEMAPTEQM
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_001302680

ORF Size: 534 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).
RefSeq:	NM_001302680.1 , NP_001289609.1
RefSeq Size:	949 bp
RefSeq ORF:	537 bp
Locus ID:	57413
UniProt ID:	P33765
Cytogenetics:	1p13.2
MW:	20.6 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 5' terminal exon with that of the overlapping adenosine A3 receptor gene (GeneID:140), thus resulting in a fusion product. [provided by RefSeq, Nov 2014]