

Product datasheet for **RG203014**

TM2D3 (NM_078474) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM2D3 (NM_078474) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TM2D3
Synonyms:	BLP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203014 representing NM_078474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGAGGGGTGCGCCCGCTGAGGGGCCTCCGCGCCTTGTGTCGCGTGCTGCTTCTCTCGCAGT
TCTGCATTCTGTCGGGCGGTGAGCAATCGCAGGCGCTGGCTCAGTCAATAAAGGATCCGGGCCAACACG
CACATTCACAGTAGTTCCAGGGCAGCAGAAAGTACTGAAATCCCACCTTATGTGATGAAGTGCCGAGC
AATGGTTTGTGTAGCAGGCTTCTGCAGACTGTATAGACTGCACAACAAATTTCTCTGTACCTATGGGA
AGCCTGCACTTTTACTGTGCAGTGAACCATCTGTTACCTGTGTTGATCAAGACTTCAAATCCAAAA
GAACTTCATCATTAAACATGACTTGACAGATTTTGTCTGGCAGCTTCTGAAACAGATTACGAGTGTACCAAC
TCCACCAGCTGCATGACGGTGTCTGTCTCGGCAGCGCTACCCTGCCAACTGCACGGTGCAGGACACG
TCCACTGCTGGGTAACCGTACTTTTCCAAAAATGCTATATTGCAATTGGACTGGAGGCTATAAGTGGTC
TACGGCTCTGGCTCTAAGCATCACCTCGGTGGGTTTGGAGCAGACCGTTTCTACCTGGGCCAGTGGCGG
GAAGGCCCTCGCAAGCTTTCAGCTTCGGTGGCCTGGGAATATGGACGCTGATAGACGCTCTGCTCATTG
GAGTTGGCTATGTTGGACCAGCAGATGGCTCTTTGTACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203014 representing NM_078474
 Red=Cloning site Green=Tags(s)

MAGGVRPLRGLRALCRVLLFLSQFCILSGGEQSQALAQSIKDPGPTRTFTVVPRAAESTEIPPYVMKPCS
 NGLCSRLPADCIDCTTNFSCTYKPVTFDCAVKPSVTCVDQDFKSQKNFIINMTCRCFWQLPETDYECTN
 STSCMTVSCPQRYPANCTVRDHHVHCLGNRTFPKMLYCNWTGGYKWSTRALALSITLGGFGADRFYLGQWR
 EGLGKLFSGGLGIWTLIDVLLIGVGYVGPADGSLYI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_078474

ORF Size: 741 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_078474.1](#), [NP_510883.1](#)

RefSeq Size: 1421 bp

RefSeq ORF: 744 bp

Locus ID: 80213

UniProt ID: [Q9BRN9](#)

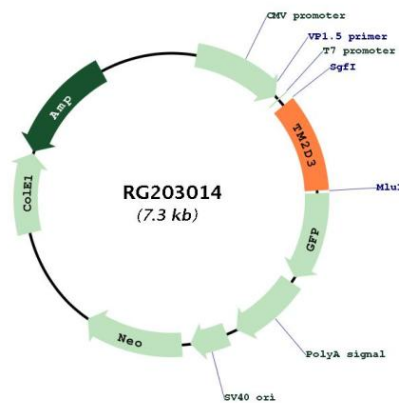
Cytogenetics: 15q26.3

Domains: TM2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene contains a structural module related to that of the seven transmembrane domain G protein-coupled receptor superfamily. This protein has sequence and structural similarities to the beta-amyloid binding protein (BBP), but, unlike BBP, it does not regulate a response to beta-amyloid peptide. This protein may have regulatory roles in cell death or proliferation signal cascades. Several alternatively spliced transcript variants of this gene are described but the full length nature of some variants has not been determined. Multiple polyadenylation sites have been found in this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203014