

Product datasheet for **RG213107**

TM2D2 (NM_078473) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM2D2 (NM_078473) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TM2D2
Synonyms:	BLP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213107 representing NM_078473 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTAGGTGGTTGCCCGTTAGTTACTTACTTCTGTGCGGCCAGGCGGCTTTGCTGCTGGGAATT
TACTTCTGCTGCATTGTGTCTCGGAGCCACTCGAAAATGCGACCGCTGAGCCTGAGCTCACATCCGC
TGGCGCCGCCAGCCGGAGGGCCCCGGGGTGCTGCGAGCTGGGAATATGGCGACCCCACTCTCCGGTC
ATCCTCTGCTCTTACCTACCTGATGAATTTATAGAATGTGAAGACCCAGTGGATCATGTTGAAAATGCAA
CTGCATCCAGGAACCTTGTTATGGTTGTCTCAAGTTCGGCGGTCAGGCCTACAGCGACGTGGAACACAC
TTCAGTCCAGTGCCATGCCTTAGATGGAATTGAGTGTGCCAGTCCTAGGACCTTTCTACGAGAAAATAAA
CCTTGATAAAAGTATACCGGACACTACTTCATAACCACTTTACTCTACTCCTTCTCCTGGGATGTTTTG
GTGTGGATCGATTCTGTTTGGGACACACTGGCACTGCAGTAGGGAAGCTGTTGACGCTTGGAGGACTTGG
GATTTGGTGGTTTGTGACCTTATTTTGCTAATTACTGGAGGGCTGATGCCAAGTATGCGACGAAGTGG
TGCACTGTTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213107 representing NM_078473
Red=Cloning site Green=Tags(s)

MVLGGCPVSYLLLCGQAALLLGNLLLLHCVSRSHSQNATAEPELTSAGAAQPEGPGAASWEYGDPHSPV
 ILCSYLPDEFIECEDPVDHVG NATASQELGYGCLKFGGQAYS DVEHTSVQCHALDGI ECASPR TFLRENK
 PCIKYTGHYFITLLYSFFLGCFGVDRFCLGHTGTAVGKLLTLGGLGIWWFVDLILLITGGLMPSDGSNW
 CTVY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_078473

ORF Size: 642 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_078473.3](#)

RefSeq Size: 3252 bp

RefSeq ORF: 645 bp

Locus ID: 83877

UniProt ID: [Q9BX73](#)

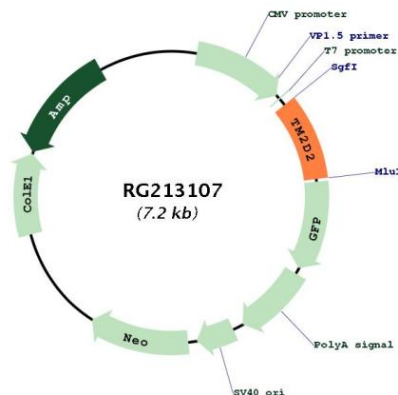
Cytogenetics: 8p11.22

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. This gene has multiple alternatively spliced transcript variants which encode two different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG213107