

## Product datasheet for **SC110640**

### TM2D3 (NM\_025141) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TM2D3 (NM_025141) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM2D3
Synonyms:	BLP2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110640 sequence for NM_025141 edited (data generated by NextGen Sequencing)

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ATGGCGGGAGGGGTGCGCCCGCTGAGGGGCCTCCGCGCCTTGTGTGCGGTGCTGCTCTTC
CTCTCGCAGTTCTGCATTCTGTCGGGCGGTGAAAGTACTGAAATCCCACCTTATGTGATG
AAGTGTCGAGCAATGGTTTGTGTAGCAGGCTTCTGCAGACTGTATAGACTGCACAACA
AATTTCTCCTGTACCTATGGGAAGCCTGTCACTTTTGACTGTGCAGTCAAACCATCTGTT
ACCTGTGTTGATCAAGACTTCAAATCCCAAAAGAAGTTCATCATTAAACATGACTTGCAGA
TTTTGCTGGCAGCTTCTGAAACAGATTACGAGTGTACCAACTCCACCAGCTGCATGACG
GTGTCCTGTCCTCGGCAGCGCTACCCTGCCAACTGCACGGTGGGGACCACGTCCACTGC
TTGGGTAACCGTACTTTTCCAAAATGCTATATTGCAATTGGACTGGAGGCTATAAGTGG
TCTACGGCTCTGGCTCTAAGCATCACCCCTCGGTGGGTTTGGAGCAGACCGTTTCTACCTG
GGCCAGTGGCGGGAAGGCCTCGGCAAGCTCTTCAGCTTCGGTGGCCTGGGAATATGGACG
CTGATAGACGTCCTGCTCATTGGAGTTGGCTATGTTGGACCAGCAGATGGCTCTTTGTAC
ATTTAG

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Clone variation with respect to NM\_025141.3  
17 t->g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_025141 unedited            NGGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCAAGATGG            CGGGAGGGGTGCGCCCGCTGAGGGGCCTCCGCGCCTTGTGTGCGGTGCTGCTCTTCCTCT            CGCAGTTCTGCATTCTGTGCGGGCGTAAAAGTACTGAAATCCCACCTTATGTGATGAAGT            GTCCGAGCAATGGTTTGTGTAGCAGGCTTCCTGCAGACTGTATAGACTGCACAACAAATT            TCTCCTGTACCTATGGGAAGCCTGTCACCTTTTGACTGTGCAGTAAAACCATCTGTTACCT            GTGTTGATCAAGACTTCAAATCCAAAAGAAGTTCATCATTAAACATGACTTGCAGATTTT            GCTGGCAGCTTCCCTGAAACAGATTACGAGTGTACCAACTCCACCAGCTGCATGACGGTGT            CCTGTCTCGGCAGCGCTACCCTGCCAACTGCACGGTGCGGGACCACGTCCAAGTCTTGG            GTAACCGTACTTTTCCAAAATGCTATATTGCAATTGGACTGGAGGCTATAAGTGGTCTA            CGGCTCTGGCTTAAGCATCACCTCGGTGGGTTTGGAGCAGACCCTTCTACCTGGGCC            AGTGGCGGGAAGGCTCGGCAAGCTCTTACGCTTCGGTGGCTGNGAATATGGACGCTGA            TAGACGCTCTGCTCATTGGAGTTGGCTATGTTGGACCAGCAGATGGCTCTTTGTAATTTA            GCTGTGGTGTGCTTCCAGAAGGAGCAGGGCTTAGAAAAGCCCTTTTNGTCCGTAGAGTT            GATGTGGTGTGAGTGATATATTTCTATGTTTTTAAATGTACAGCATCTGTACTTTGTTTGC            CTTGATAAAGGGTAGATAAATGANACGCTGAACTATGCTANTCTGGAAAATTGTTNNNTA            TTGCTGAATATATTTTTTCTGTGAAATATTANACGTACTTAGCCA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_025141 unedited            CACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTCTTAACTTGAATTTTATTAATT            TTTTCAGTACTCTTACCTTTTATATACTACTAAGAAAATTTAAACCATAACTAGACATAAA            CATTCTGCAGTTTAAATCAAATTTTCATATATACAGACCAGACTACGTATGTATTACACT            GCAAAACTTACACATGACTGAAGCTGAGCCTAATAACTTCAATTAGCCAACAACAGAAAC            ACTCCCACTTCCCTGCAGTCACAGCAATTAGCTAACAAATAAAAACACTCCCACTTCCCTGCA            GTCACAGCTGAAAGACTTTTCAAGGCAGACTACATTTGGGCTGGAGATACAAGTGATGTA            GTTTGACTTGGGCAATACAAAACAAAAGTCATAGGAATTAATGGATTTTCAATCACTGT            ATAATTCATTCTCCTGGCTTAAGTACGTTTTAATTTTTTACAGAAAAAATATATTTTCA            GGCAAATAAAAACAAATTCAGATTAGCATAGTTCAGCGTTTCATTTATCTTACCTTTAT            CAAGGCAAACAAGTACAGATGCTGTACATTAACAAATAGAAAATATCACTCACACCA            CATCAACTCCTACGGACAAAAGGGCTTTTTCTAAGCCCTGCTCCTTTCTGAAGCACACAG            CACAGCTAAATGTACAAAGAGCCATCTGCTGGTCCAACATAGCCAACCTCAATGAGCAGG            AGGTCTATCAGCGTCCATATCCAGGCCACCGAATCTGAAGATCTTGCCGAGGCCTTCC            CGCCACTGGCCCATGTAGAAACGGTCTGCTCCATACCCACCGAGGGTGATGCTTATAGCC            AGAGCCGTAGACCACTTATAGCCTNCAAGTCCAATTGCATATAGCATTCTGGGAAAGTACG            GNTACCCAGCAGTGGACGTGTCGCCGACGTGCATTGGCAGGTACGCTGCGAGAATGACAC            GTCTGCACTGGGGAGTGGTACTCGTATCGGTCAGAN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_025141
<b>Insert Size:</b>	1250 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025141.2</a> , <a href="#">NP_079417.1</a>
<b>RefSeq Size:</b>	1332 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	80213
<b>UniProt ID:</b>	<a href="#">Q9BRN9</a>
<b>Cytogenetics:</b>	15q26.3
<b>Domains:</b>	TM2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon within the coding region, but maintains the same reading frame, as compared to variant 1. Thus isoform b lacks an internal fragment of 26 aa compared to isoform a.</p>