

Product datasheet for **SC106624**

TM2D1 (NM_032027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM2D1 (NM_032027) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM2D1
Synonyms:	BBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106624 sequence for NM_032027 edited (data generated by NextGen Sequencing) ATGGCGGCCGCTGGCCGCTGGTCCGCTGCTCCGGAGGCCGTGACGGCCAGACTCGTT GGTGTCCCTGTGGTTCGTCTCAGTCACTACAGACCCTGGGGGGCTGTGCCACCTCCGCC GGGGGCGAGGAGTCGCTTAAGTGCAGGACCTCAAAGTGGGACAATATATTTGTAAGAT CCAAAAATAAATGACGCTACGCAAGAACCAGTTAACTGTACAACTACACAGCTCATGTT TCCTGTTTTCCAGCACCAACATAAATTGTAAGGATTCCAGTGGCAATGAAACACATTTT ACTGGGAACAAAGTTGGTTTTTCAAGCCCATATCTTGCCGAAATGTAATGGCTATTCC TACAAAGTGGCAGTCGCATTGTCTTTTTCTTGGATGGTTGGGAGCAGATCGATTTTAC CTTGGATACCCTGCTTTGGTTTTGTTAAAGTTTTGCACTGTAGGGTTTTGTGGAATTGGG AGCCTAATTGATTTCAATCTTATTTCAATGCAGATTGTTGGACCTCAGATGGAAGTAGT TACATTATAGATTACTATGGAACCAGACTTACAAGACTGAGTATTACTAATGAAACATTT AGAAAAACGCAATTATATCCATAA Clone variation with respect to NM_032027.2 310 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032027 unedited AATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCCAAGATGGCGGCCGCCTG GCCGTCTGGTCCGTCTGCTCCGGAGGCCGTGACGGCCAGACTCGTTGGTGTCTGTGGTT CGTCTCAGTCACTACAGGACCCTGGGGGCTGTTGCCACCTCCGCCGGGGGCGAGGAGTC GCTTAAGTGCAGGACCTCAAAGTGGGACAATATATTTGTAAGATCCAAAAATAATGA CGCTACGCAAGAACCAGTTAACTGTACAACTACACAGCTCATGTTTCCTGTTTTCCAGC ACCCAACATAACTTGTAAAGGATCCAGTGGCAATGAAACACATTTTACTGGGAACAAAGT TGGTTTTTCAAGCCCATATCTTGCCGAAATGTAATGGCTATTCTACAAAGTGGCAGT CGCATTGTCTCTTTTTCTGGATGGTTGGGAGCAGATCGATTTTACCTTGATACCTGC TTTGGGTTTGTAAAGTTTTGCACTGTAGGGTTTTGTGGAATTGGGAGCCTAATTGATTT CATTCTTATTTCAATGCAGATTGTTGGACCTTCAGATGGAAGTAGTTACATTATAGATTA CTATGGAACCAGACTTACAAGACTGAGTATTACTAATGAAACATTTAGAAAAACGCAATT ATATCCATAAATATTTTTAAAAGAAAACAGTAAGTGATATATATATATGTAATATCTT ATAGTGGTATATTATTCATATAAAATTATGAGAAATTTACGACCATAGAAAATCTAAGA AACCCCGTATAACCTCTCAGTACCCTATTNCTGAACATCTNCCATCCTTTGAAAAGCA TTNTAGTCACGCTCATGGCTCCCTTCGNTCCACTTCANACTCTNTGCAGTGCATATGGN TAAAAGGACCAAGNTCACAGAAAAAAGTACATCAAGCAAAGGCCNNTTANATTTNGATGG TATGTGAAAGTATGTGCCGAN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032027 unedited AAATCTTGNC CGCGCCGAATCTAGATCGAGTTTTTTTTTTTTTTTTTTTGTGAATAAGT TATACTTTTATTTTTAGAAAACAAAAATGACAAGTGGCAACTGCCTTTGTAAGGATTA AAGAGTATCAGAGTAATAAGCTATCTCTCATAGAGACAGAAGCCCGAGAAACACTATTAT ACAGCTTTCAAAGGAAGTCTATTAAATAAATCTCACAATAATATACTTTAACTCAACAA AACAAAAACCACAAAAATTATACAGAACTCATAAAATGGTATATGAATGAAAAAGAGAA ATCTTTAAATCCATACACTAGAAGTTCTCTATTTAAATCAAGGAGGCTCAATCCTAAAA CAGAAAGAAGAAATACGTTAAAACACAATTTTTTTAAGAGTCCAATGAGGTTATTGCAG ATGTACATTTTAACTTTCAATTTGCTCAATGTATTTTTTTCTCATTCTTGGAGCACTTCT GTATAATGTAGAGAGATTACATGAATGATAATGCAGATACTGGCCTTCTCAATGGGCCTT TCAGGTTTTAAGTTTCAAATCTGAATCTGGAATCCCACCTAAATGTTTACATAATAGGCT ACCAAGAATGAGAGTCCCTTTAAAATTACATTTGCTTAATTTTTTACACACTATGGTTTAG AAACAATCTACTTTTGAAGAGACACAANTACAGTATGAATAATAAAGTTACATGAAA CTACACAATNCTTCTCATAAAATAGGAGCAACAATTNCCAAAACAAAGATGCCTAATACA AAATGATACAGTTGACTGGAGCCTGGGTANGATGGNNAGAAGAGAACCACCATGTGACCA ATGTATAAAGACCTAGATCTAGTTTCAGTTTTGCACTAATAAGTGCGAACTTACTTTTAC TCCTTTAGCCTGAATTTTTTCTGGTAGAGAAGTCAGGGACTTTA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032027
Insert Size:	3000 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_032027.2 , NP_114416.1
RefSeq Size:	1250 bp
RefSeq ORF:	624 bp
Locus ID:	83941
UniProt ID:	Q9BX74
Cytogenetics:	1p31.3
Domains:	TM2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a beta-amyloid peptide-binding protein. It contains a structural module related to that of the seven transmembrane domain G protein-coupled receptor superfamily and known to be important in heterotrimeric G protein activation. Beta-amyloid peptide has been established to be a causative factor in neuron death and the consequent diminution of cognitive abilities observed in Alzheimer's disease. This protein may be a target of neurotoxic beta-amyloid peptide, and may mediate cellular vulnerability to beta-amyloid peptide toxicity through a G protein-regulated program of cell death. Several transcript variants have been found for this gene. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript.</p>