

Product datasheet for **SC120256**

TM2D2 (NM_078473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM2D2 (NM_078473) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM2D2
Synonyms:	BLP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_078473, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCTAGGTGGTTGCCCGTTAGTTACTTACTTCTGTGCGGCCAGGCGGCTTTGCTGCTGGGAATT  
TACTTCTGCTGCATTGTGTCTCGGAGCCACTCGAAAATGCGACCGCTGAGCCTGAGCTCACATCCGC  
TGGCGCCGCCAGCCGGAGGGCCCCGGGGTGCTGCGAGCTGGGAATATGGCGACCCCACTCTCCGGTC  
ATCCTCTGCTCTTACCTACCTGATGAATTTATAGAATGTGAAGACCCAGTGGATCATGTTGGAAATGCAA  
CTGCATCCAGGAACCTTGGTTATGGTTGTCTCAAGTTCGGCGGTCAGGCCTACAGCGACGTGGAACACAC  
TTCAGTCCAGTGCCATGCCTTAGATGGAATTGAGTGTGCCAGTCTAGGACCTTTCTACGAGAAAATAAA  
CCTTGTATAAAGTATACCGGACACTACTTCATAACCACTTTACTCTACTCCTTCTCCTGGGATGTTTTG  
GTGTGGATCGATTCTGTTTGGGACACACTGGCACTGCAGTAGGGAAGCTGTTGACGCTTGGAGGACTTGG  
GATTTGGTGGTTTGTGACCTATTTTGCTAATTACTGGAGGGCTGATGCCAAGTATGCGACCACTGG  
TGCACGTTTACTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_078473 unedited CAAGCTCGATTTTGTATACGACTTATATAGGGCGGCCGCGAATTCGCACGAGGGTTGTGG TTGAGGCCGGGTCTCCGCTCCTGTGCCCGGAAGATGGTGTAGGTGGTTGCCCGTTAG TTACTTACTTCTGTGCGGCCAGGCGGTTTTGTCTGCTGGGAATTTACTTCTGCTGCATTG TGTGTCTCGGAGCCACTCGAAAATGCGACCGCTGAGCCTGAGCTCACATCCGCTGGCGC CGCCAGCCGGAGGGCCCCGGGGTGTCTGCGAGCTGGGAATATGGCGACCCCACTCTCC GGTCATCCTCTGCTTTACCTACCTGATGAATTTATAGAATGTGAAGACCCAGTGGATCA TGTGGAAATGCAACTGCATCCCAGGAACCTGGTTATGGTTGTCTCAAGTTCGGCGGTCA GGCTACAGCGAGTGGAAACACACTTCAGTCCAGTGCCATGCCTTAGATGGAATTGAGTG TGCCAGTCTAGGACCTTTCTACGAGAAAATAAACCTTGATAAAGTATACCGGACACTA CTTATAACCACTTTACTCTACTCCTTCTCTGGGATGTTTTGGTGTGGATCGATTCTG TTTGGACACACTGGCACTGCAGTAGGGAAGCTGTTGACGCTGGAGGACTTGGGATTTG GTGTTTTGTTGACCTTATTTGCTAATTACTGGAGGGCTGATGCCAAGTGTGGCAGCAA CTGGTGCAGTGTACTAAGAAGAGCTGCCATCATGGCCAGGGAGGCGGGTAAAGCTC CGTCTTCTGAATTCATCTCTACAGGCTCAAACCTCTTTGATATCAGACCTGATGTTA TTTTCCTCTTTTGGAGGNNCATTGTTNNGTTAAGAAGGNCTCTTTGGACTTTGAATT TCACCCAGATTTTACCTTGACAGCAATGACAGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_078473 unedited CTTGGCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGAAAACAAAATA ATTTTGAGTTTATCCCCCTACTGAAAACTCATACGACTCCAAGTTGGTAAAATTTA TTCTACATTTAAATTCAGAAAGTCAGAATTTTCAGTGTGATTACAATCCACGGCCATTT TATTTCTGCTGAAGATTTTCATTGTTTCAGCTTCAGATCTCCTTGCATGAAGACTCAGGT CACAAGAGGAACATGGATCCAAATATTCATTTTGTCAACTTGTAGGTCCACTTGCTCC AAAGGACTGAAGATATAGCAATGTACAGAAAGGAAGACTATGGAAACCCATCCACAGCTT GTAAACTCGCCACTATCCTTTATGTTTTGTGCATGAGGAAAGGAACAAATTTGATCCCC ACAACACTTTTTGCTTGTCAATCCGTCTGCAAGGTAATACTGGGTTGAAATTCCAAAGT CCAAAGAAGCCTCTTAACCAAACAAATGCCCTCCAAAAGAAGGAAAAATAACATCAGGTC TGATATCAAAGAGGAGTTTTGAGCCTGTAGAGATGAATTCAGAAGACGGAGCTTTCACCC GCCTCCCTGNGCCATGATGGCAGCTCTTCTTAGTAAACAGTGCACCAGTTGCTGCCATCA CTTGGCATCAGCCCTCCAGTATTAGCAAATAAGGTCAACAAACCACCAATCCCAAGT CCTNCAAGCGTCAACAGCTTCCCTACTGCAAGTGTGTCCCAAACAGAAATCGATCC CACCAAAACATCCAGGAAAAGGAGTAGAGTAAAGTGTATGAAGTAGTGTCCGGTATAC TTATACAGGNNTTATTTCTANAAAAGTCTAGACTGCACACTATTTTCATCTAGGCAT GCACTGNACTGANTGGTCCACCTCCTGTAGGCTGCCGCCGACTTGAACCATACCAGTN CTGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_078473
Insert Size:	1300 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_078473.2 , NP_510882.1
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:	<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. This gene has multiple alternatively spliced transcript variants which encode two different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>