

Product datasheet for **SC327657**

MCTP2 (NM_001159643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCTP2 (NM_001159643) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCTP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001159643, the custom clone sequence may differ by one or more nucleotides

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ATGGATCTGGATAAACCATCTGTTTGGGGCTCATTAAACAGCGGACCAGGCCATTGTTG
ATCAACTTGAGCAAGAAGAAGGTGAAAAAGAACCCAAGTAAGCCCCAGATCTACGGGCA
AGGCATCACTTGGACCGCGTCTCAGCCTCTCTGTGCCTGATCTCCTGGAGGCTGAGGCC
TTGGCCCCAGAGGGCCGGCCTTACTCCGGGCCACAGTCTTCTACACCTCGGTGCCCAGC
AGTCTGTCCACTGCAGGGATCTTTCCCAAGAGCAGCAGTAGCTCCTTGAAACAGTCTGAA
GAAGAATTGGATTGGAGCCAGGAAGAAGCCAGTCACCTCCATGTGGTGAAACAGACTCA
GAGGAGGCCTATGCCTCTCTGTGAGCGGAGACGGGTGTCCAGCAACGCGCATCTTTGAT
CTTCAGAAAACTTCCCTTGAGGGGATGCACCAGAAGAGCCAGAGAAGCTATGTGGAAGC
AGTGACCTGAATGCTTCTATGACATCTCAACATTTTGAAGAACAATCTGTACCGGGGAA
GCCAGTGATGGCTTGAGTAACCTCCCCAGCCCTTTTGCCTACCTCCTACCATACACCTG
AAGGAAGCCGGAACCTGGTTGTCCGAGATCGCTGTGGCACAAGTGATCCTTATGTGAAA
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GATCTTGAGCTTAACAGAACAACTGAACATATTTTAAACTGGAAGATCCAAACAGTTTA
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CAGGAACAGTTTGACTTTCACTACTTCTCTGACAGGATGGGCATTTTGGACATTGAAGTG
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CTCTTAGCGGCAGATTTCTCAGGGAAGAGTGACCCATTTTGCTTGTGGAGTTAGGCAAT
GACCGACTTCAGACGCATACCGTCTACAAAACCTCAACCCTGAATGGAACAAAGTTTTT
ACATTTCCCATTAAGATATCCATGATGTTTTGGAAGTGACAGTGTGATGAAGATGGA
GATAAACCCCGAGATTTTCTTGAAAAAGTTGCCATTCCCTTGCTGTCCATTAGAGATGGA
CAACCGAATTGTTATGTACTAAAGAATAAGATTTAGAACAAGCTTTTAAAGGAGTTATT
TACTTAGAGATGGACCTTATATATAATCCGGTGAAAGCAAGTATTAGGACTTTTACTCCC
CGGGAAAAGCGCTTTGTTGAAGACAGCCGCAAGCTGTCCAAAAGATCTTATCAAGAGAT
GTGGACCGTGTGAAAAGAATCACTATGGCAATATGGAATACAATGCAGTTCCTTAAAGC
TGCTTCCAGTGGGAATCCACATTAAGAAGTACAATAGCATTGCGGAATCTGAGAAAAAG
GGGTTGATTGAAAGAATCTATATGGTACAGGATATTGTTTCAACTGTTCAAAACGTCTTG
GAGGAAATAGCTTCTTTTGGAGAAAGGATTAAGAACACATTTAACTGGACGGTCCCCTTC
CTTTCATCTCTGGCTGTTTGATTCTGGCAGCAGCCACCATCATTTTGATTTTCATTCCA
CTGCGGTACATCATTTTAACTCTGGGCAATAAATAAATTTACTAAGAAGCTTCGAAATCCC
TATTCATCGACAATAATGAGCTACTAGACTTCCTCTCTAGGGTACCGTCTGATGTTCAA
AAGGTGCAGTATGCAGAATTGAACTCTGCAGCAGCCACAGCCCCCTGCGGAAGAAGCGC
AGCGCTCTC

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Restriction Sites: Please inquire
ACCN: NM_001159643

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001159643.1, NP_001153115.1</u>
RefSeq Size:	7472 bp
RefSeq ORF:	2472 bp
Locus ID:	55784
UniProt ID:	<u>Q6DN12</u>
Cytogenetics:	15q26.2
Protein Families:	Transmembrane
Gene Summary:	Might play a role in the development of cardiac outflow tract.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) is lacking two consecutive in-frame coding exons compared to variant 1, resulting in a shorter isoform (2) missing an internal protein segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.