

Product datasheet for **SC326875**

MCTP2 (NM_001159644) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	MCTP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC326875 representing NM_001159644.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGGCATTTTGGACATTGAAGTGTGGGAAAGGACAACAAAAGCATGAGGAACGTCTGGGCACGTGT
AAAGTGGATATCTCGGCACTCCCTCTGAAGCAAGCCAACTGCCTGGAGCTGCCACTGGACAGCTGTCTG
GGGGCTCTCCTTATGTTGGTCACTTACACCCTGTGCGGGGTCTCCGTCTCTGATCTGTGTGTCTGC
CCCTTAGCAGACCTCAGCGAAAGAAAGCAGATTACCCAGCGATATTGCTTACAGAACTCCCTGAAAGAT
GTGAAAGAGCGTCGGCATTCTACAAGTGAAGGTTTTAAAGGCAGCAGATCTCTAGCGGCAGATTTCTCA
GGGAAGAGTGACCCATTTGCTTGTGGAGTTAGGCAATGACCGACTTCAGACGCATACCGTCTACAAA
AACCTCAACCCTGAATGGAACAAAGTTTTTACATTTCCATTAAAGATATCCATGATGTTTTGGAAGTG
ACAGTGTGGATGAAGATGGAGATAAACCCCGAGATTTTCTTGAAAAGTTGCCATTCCCTTGCTGTC
ATTAGAGATGGACAACCGAATTGTTATGTACTAAAGAATAAAGATTTAGAACAAGCTTTTAAAGGAGTT
ATTTACTTAGAGATGGACCTTATATATAATCCGGTGAAAGCAAGTATTAGGACTTTTACTCCCGGGAA
AAGCGCTTTGTTGAAGACAGCCGCAAGCTGTCCAAAAGATCTTATCAAGAGATGTGGACCGTGTGAAA
AGAATCACTATGGCAATATGGAATACAATGCAGTTCCTTAAAGCTGCTTCCAGTGGGAATCCACATTA
AGAAGTACAATAGCATTGCGCACCGCAAAGAGGAACCCCTGTCTATGAAATGTACCCTTTTCTCT
GGTGACATTGGCCATCCTTATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001159644
Insert Size:	921 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001159644.1</u>
RefSeq Size:	2009 bp
RefSeq ORF:	921 bp
Locus ID:	55784
UniProt ID:	<u>Q6DN12</u>
Cytogenetics:	15q26.2
Protein Families:	Transmembrane
MW:	34.6 kDa
Gene Summary:	Might play a role in the development of cardiac outflow tract.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) contains an alternate segment at the 5' end, and an alternate exon at the 3' end (causing a frame-shift) compared to variant 1. This results in translation initiation from a downstream start codon and a shorter isoform (3) with a distinct C-terminus compared to isoform 1.