

Product datasheet for **SC315058**

MCTP1 (NM_024717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCTP1 (NM_024717) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCTP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC315058 representing NM_024717.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCCCCGGGCTGCCGCGCGGGGCGAGCCAGAGCCGCGCGGCGTCTCTCTCTCCAGGCCCGG
CTCTGGAAGAACCTGCAGCTGGGGTGGCAGGAGCAAGGGCGGCGGGGCGGCGCTGGGGGTCCA
GAGCGCCGCACTGCGGACACCCCGTCGCCCTCCCGCCACCCCGGTGGGCACAGGGAATGCACCGGCC
AGGGGGAGTGGTGCAGGCAGCAGGTGGAGCGGCTTCAAGAAGCGAAGCAAGTGCTGGACCGAGTCTTC
TCTCTCTCGCAGCCCAACCTGTGCTGCTCGTCGCCGAGCCCTGGAGCCCGGCGCGCCGCGAGAGCC
GAGCAGGGGTCCACGCTACGCCGCGGATCCGCGAGCATTGCTCCCGCCGTAAGGGGCGCGGCG
GCCTCGGAGCAGCGGGAGGACGCTCTGGCGGAGCTCCCGGACTCAGCTCTCTCTCTCTCTCC
GCCTCATCTCTCTCTCTCTCGCCCCAGCTCCCGGAGGGGGGACCGCGCCGAGATGAGGGTGCA
CGGCGTCAGGGCCCCGGGGCGCACTTGTCCACCAGAAGAGCTCTCTCTGCGGGCACCGCCTGCCTG
GAGCAGCTGCTGGAGCCCGCGCTCTCCCGCAGAGCCGCGCGGAGTCCCGCGGAGTCTCGGGCCCCG
GAGACGGGCGAGGAGCAGGCAGCAGCCAGAAAATAATAAACACTGCTGGAACAGTAATGCAGAAATC
CCCTTGGCTGATCCCGGAATGTACCAGCTGGACATTACATTAAGAAGGGGTCAAAGTTTAGCTGCTCGA
GATCGAGGAGGGACGAGTGATCCATATGTGAAGTTTAAATCGGAGGAAAAGAAGTTTTAGAAGTAAG
ATAATACACAAGAACCTCAACCTGTGTGGGAAGAAAAGCTTGTATTCTGGTTGATCATCTTAGGGAG
CCATTGTATATAAAGGTATTTGACTATGATTTTGGACTACAGGATGACTTTATGGGCTCAGCCTTTCTG
GATCTGACACAATTGGAGTTAAACAGGCCACAGATGTGACCTTACTCTGAAAGATCCTCATTATCCT
GACCATGATCTTGAATCATTTTGTCTCTCAGTCATCTTACCCCTAAAGAAGGAGAGTCCAGGGATGTG
ACAATGCTAATGAGGAAGAGTTGAAAAGATCAAGTAAGGAACCTTCAGAAAATGAAGTGGTTGGATCT
TATTTCTGTGAAGTCTCTCTTTTGGAGACGTGCGGCAGGCCAGCTCTTCTGTCTGGGCTTCTGC
AGAGCAGAGCTTCAGAATCCTTATTGCAAAAATGTACAATTTAGACCCAAAGTTTACGCTATCAGAC
CTACACAGAAAATCGCATCTTTGGAGAGGAATAGTCAGCATCACCTTGATTGAAGGGAGAGACCTCAAG
GCCATGGATTCCAACGGGTTGAGCGATCCCTACGTGAAGTTCCGGCTTGGGCATCAGAAGTACAAGAGC
AAGATTATGCCAAAACGTTGAATCCTCAGTGGAGGGAACAATTTGATTTTACCTTTATGAAGAAAAGA
GGAGGAGTCATTGATATCACTGCATGGGACAAAGATGCTGGGAAAAGGGATGATTTTATTGGCAGGTGC
CAGGTCGACCTGTCAGCCCTCAGTAGGGAACAGACGCACAAGCTGGAGTTGCAGCTGGAAGAGGGTGAG
GGACACCTGGTGTGCTGGTCACTCTGACAGCATCAGCCACAGTCAGCATCTCTGACCTGTCTGTCAAC
TCCTTGGAGGACCAGAAGGAACGAGAGGAGATATTAAGAGATATAGCCATTGAGGATATTTACAAC
CTGAAAGATGTGGGATTTCTCCAGGTGAAAGTCATCAGAGCGGAAGGGTTAATGGCTGCCGACGTA
GGAAAAAGTGACCCATTTTGTGTGGTAGAACTGAACAACGATAGACTGCTAACACATACTGTCTACAAA
AATCTCAATCCTGAGTGAATAAAGTCTTACGTTCAACATTAAGATATCCATTGAGTCTTGAAGTG
ACAGTTTATGATGAAGATCGGGATCGAAGTGTGACTTTCTGGGCAAAGTTGCTATACCATTGCTGTCT
ATTCAAAATGGTGAACAGAAAGCCTACGTCTTGAACCAAGCAGCTGACAGGGCCAACAAGGGGGTGC
ATCTATCTTGAATAGATGTGATTTTAAATGCTGTGAAAGCCAGCTTACGAACATTAATACCCAAAGAA
CAGAAGTACATTGAAGAGGAAAACAGACTCTCTAACAGCTGCTACTAAGAACTTTATCAGAATGAAA
CGTTGTGTCATGGTGTGTTAAATGCTGCATACTACGTTAATAGTTGCTTTGATTGGGATTACCCCA
AGGAGTCTCGCTGCTTTTGTCTCTTTCTTTGTGTGCTGGAATTTGAGCTCTACATGATACCACTG
GTTTTGTTGTTACTATTGACATGGAATACTTCTTGATAATATCAGGGAAGATAACAGGCAACGTGAT
ACAGTAGTGGAGGACATGCTAGAGGACGAGGAAGAAGAAGATGACAAAGATGACAAGGACAGTAAAAA
AAGGGATTTATAATAAAATCTATGCCATCCAGGAGGTATGTGTGAGTGTCCAGAACATCTAGATGAA
GTGGCTTCTTTGGCGAAAGGATAAAGAATACTTCAACTGGAGTGTCCATTCTTAAGCTGGCTGGCC
ATTGTAGCCCTCTGTGTGTTACAGCCATCCTGTACTGCATTCCGCTGAGATACATTGCTCTGTCTGG
GGCATCAATAAATTTACAAAAAGCTTCGGAGTCCATATGCAATTGATAACAATGAAGTACTTGAAGTTC
CTTCCAGAGTCCCTCAGATGTACAAGTGGTGAATACCAAGAACTGAAACCAGATCCTTCTCATAGC
CCATATAAAGAAAGAAAAACAATCTTGGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_024717
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).
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_024717.5</u>
RefSeq Size:	4976 bp
RefSeq ORF:	3000 bp
Locus ID:	79772
UniProt ID:	<u>Q6DN14</u>
Cytogenetics:	5q15
Domains:	C2
Protein Families:	Transmembrane
MW:	111.6 kDa
Gene Summary:	Calcium sensor which is essential for the stabilization of normal baseline neurotransmitter release and for the induction and long-term maintenance of presynaptic homeostatic plasticity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (L) represents the longest transcript and encodes the longest isoform (L). 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.