

Product datasheet for **SC123509**

MCTP1 (BC030005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCTP1 (BC030005) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCTP1
Synonyms:	FLJ22344; multiple C2 domains, transmembrane 1; multiple C2-domains with two transmembrane regions 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC030005 edited
 GCAGAGCAGCAAGTGCTCCGTGCAGGGCTGTTGCTATCACTTGGAGGTGAACAGCCTCTT
 TTGCCGGTATTCACTGAAGAAAGCAAGTCTAAATATGCAGTTCTCTCACTGGAGTGAAAG
 ATGTTTTGTTCTTTCTAATCAACTATGCTAGACAGCTGCAAGCTGAAAAGTGCCTGCAA
 TTTGCCATTTATTTGTAATAAGAAAATAATAAACACTGCTGGAACCAAGTAATGCAGAAGT
 CCCCTTGGCTGATCCCGGAATGTACCAGCTGGACATTACATTAAGAAGGGGTCAAAGTTT
 AGCTGCTCGAGATCGAGGAGGGACGAGTGATCCATATGTGAAGTTTAAATCGGAGGAAA
 AGAAGTTTTTAGAAGTAAGATAATACACAAGAACCTCAACCCTGTGTGGGAAGAAAAAGC
 TTGTATTCTGGTTGATCATCTTAGGGAGCCATTGTATATAAAGGTATTTGACTATGATTT
 TGGACTACAGGATGACTTTATGGGCTCAGCCTTTCTGGATCTGACACAATTGGAGTTAAA
 CAGGCCACAGATGTGACCCTTACTCTGAAAGATCCTCATTATCCTGACCATGATCTTGG
 AATCATTTTGTCTCAGTCATCCTTACCCTAAAGAAGGAGAGTCCAGGGATGTGACAA
 GCTAATGAGGAAGAGTTGAAAAGATCAAGTAAGGAACCTTCAGAAAATGAAGTGGTTGG
 ATCTTATTTCTCTGTGAAGTCTCTTTTGGAGGACGTGCGGCAGGCCAGCTCTTCTGT
 CCTGGGCTTCTGCAGAGCAGAGCTTCAGAATCCTTATTGCAAAAATGTACAATTCAGAC
 CCAAAGTTTACGCCTATCAGACCTACACAGAAAATCGCATCTTTGGAGAGGAATAGTCAG
 CATCACCTTGATTGAAGGAGAGACCTCAAGGCCATGGATTCCAACGGGTGAGCGATCC
 CTACGTGAAGTTCCGGCTTGGGCATCAGAAGTACAAGAGCAAGATTATGCCAAAACGTT
 GAATCCTCAGTGGAGGGAACAATTTGATTTTCACTTTTATGAAGAAAGAGGAGGAGTCAT
 TGATATCACTGCATGGGACAAAGATGCTGGGAAAAGGGATGATTTTATTGGCAGGTGCCA
 GGTGACCTGTGAGCCCTCAGTAGGGAACAGACGCACAAGCTGGAGTTGCAGCTGGAAGA
 GGGTGAGGGACACCTGGTGCTGCTGGTCACTCTGACAGCATCAGCCACAGTCAGCATCTC
 TGACCTGTCTGTCAACTCCCTGGAGGACCAGAAGGAACGAGAGGAGATATTAAAGAAATA
 TAGCCCATTTGAGGATATTTCAACACCTGAAAGATGTGGGATTTCTCCAGGTGAAAGTCAT
 CAGAGCGGAAGGGTTAATGGCTGCCGACGTCACTGGAAAAAGTGACCCATTTTGTGTGGT
 AGAACTGAACAACGATAGACTGCTAACACATACTGTCTACAAAAATCTCAATCCTGAGTG
 GAATAAAGTCTTCACGTTCAACATTAAAGATATCCATTCAAGTTCTTGAAGTGACAGTTTA
 TGATGAAGATCGGGATCGAAGTGCTGACTTTCTGGGCAAAGTTGCTATACCATTGCTGTC
 TATTCAAAATGGTGAACAGAAAGCCTACGTTTGA AAAACAAGCAGCTGACAGGGCCAAC
 AAAGGGGGTCATCTATCTTGAAATAGATGTGATTTTAAATGCTGTGAAAGCCAGTTACG
 AACATTAATACCCAAAGAACAGAAAGTACATTGAAGAGGAAAACAGACTCTCTAACAGCT
 GCTACTAAGAACTTTATCAGAAATGAAACGTTGTGTGATGGTGCTGGTAAATGCTGCATA
 CTACGTTAATAGTTGCTTTGATTGGGATTCACCCCAAGGAGTCTCGCTGCTTTTGTGGC
 CTTGTATGGGACTTTTATTAATGTCTGAGCACATGGAACAAAGAGTGTCTACGTCCTTTT
 GTGTTGTAAGTTACCAGAAAGTTAGGCAGCCTGCTTCCCATAGACGTGTTGTTGTCTCCC
 TAAAGAAAGCAATTGTCAATTATCGTTAAGTTTTAGAAAAAAATCTCTCTCTCTGTCT
 CTCTCAGTATTTCTTTTAGCTCTTTCTTATAATAAATATATGGTGGTACTATTA AAAA
 AAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC030005 unedited <pre> GCGTCGNAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGCAGAGCA GCAAGTGCTCCGTGCAGGGCTGTTGCTATCACTTGGAGGTGAACAGCCTCTTTGCCGGT ATTCAGTGAAGAAAGCAAGTCTAAATATGCAGTTCTCTCACTGGAGTGAAAGATGTTTTG TTCATTCTAATCAACTATGCTAGACAGCTGCAAGCTGAAAAGTGCCTGCAATTTGCCAT TTATTTTGAATAAGAAAAATAAAACACTGCTGGAACCAAGTAATGCAGAAGTCCCCTTGG CTGATCCCGGAATGTACCAGCTGGACATTACATTAAGAAGGGGTCAAAGTTTAGCTGCTC GAGATCGAGGAGGGACGAGTGATCCATATGTGAAGTTTAAAAATCGGAGGAAAAGAAGTTT TTAGAAGTAAGATAATACACAAGAACCTCAACCCTGTGTGGGAAGAAAAAGCTTGTATTC TGGTTGATCATCTTAGGGAGCCATTGTATATAAAGGTATTTGACTATGATTTTGGACTAC AGGATGACTTTATGGGCTCAGCCTTTCTGGATCTGACACAATTGGAGTTAAACAGGCCCA CAGATGTGACCCTTACTCTGAAAGATCCTCATTATCCTGACCATGATCTTGAATCATTT TGCTCTCAGTCATCCTTACCCCTAAAGAGGAGAGTCCAGGGATGTGACCATGCTAATGAG GAAGAGTTGGAAGATCAAGTAANGGAACCTTCAGAAAATGAAGTGGTTGGATCTTATT TCTCTGTGAAGTCTCTCTTTGGAGGACGTGNCGCANGCCAGCTCTTCTGTCTCTGGGGC TCTGCAGAGCAGAGCTTCAGAATCCTTATTGCANAAATGTACAATTTAGACCCAAAGTT TACGCCTATCAGACCTACACA </pre>
Restriction Sites:	Please inquire
ACCN:	BC030005
Insert Size:	2184 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:	BC030005.2 , AAH30005.1
RefSeq Size:	2175 bp
RefSeq ORF:	1800 bp
Locus ID:	79772
Cytogenetics:	5q15

Protein Families: Transmembrane

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]