

Product datasheet for **SC306018**

MTSS2 (NM_138383) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	MTSS2
Synonyms:	ABBA; ABBA-1; ABBA1; MTSS1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC306018 representing NM_138383.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACGGCGGAGAAGGAGTGGCGGCCCTGGGCGGGCTCTCCAGGCCATAGTCAACGACATGAAG
AGCTCTACCTATCTGGGAGGACTCAACTCCAAGGCCACGAAGCTGCATTCCAGCTGAGGACCACC
GTGCTGGCTGCTGTGGCCTTCTGGATGCCTTCCAGAAAGTGGCTGACATGGCTACCAACACCCGAGGG
GCCACGAGGGACATCGGCTCGGCGCTCACACGCATGTGCATGCGCCACCGCAGCATCGAGACCAAGCTG
CGGCAGTTACCAACGCACTGCTGGAGAGCCTCATCAACCCGCTGCAGGAGCGCATCGAGGACTGGAAG
AAGCGGCCAACCAAGCTGGACAAGGACACGCGAAAGAGTACAAACGAGCCCGCATGAGATCAAAAAG
AAGTCGTCGGACACGCTGAAGCTGCAGAAAGGCGCGCAAGAGCTACTTGGGAAAGGAGACCTGCAG
CCCCAGCTGGACAGTGCCTGCAGGACGTCAACGACATGTACCTGCTGCTGGAGGAGACGGAGAAGCAG
GCCGTGCGCGGGCGCTGATCGAGGAGCGGGCGCTTCTGCACCTTCATCACCTTCTGCAGCTGTG
GTGAATGGAGAGCTGACCATGCTGGGAGAGATCACCCACCTGCAGGGCATCATCGACGACTTGGTGGTG
CTGACAGCAGAACCCCAAACTGCCTCCCGCCAGCGAGCAGGTAAATCAAGACCTAAAGGGCTCGGAC
TACAGCTGGTCTTACCAGACCCACCTCATCACCCAGCAGCTCCAGCTCCCGAAGTCCAGCATGTGC
AGTGCCCCAGCAGCAGTAGCAGTGCCAAGGTGGCGGAGCCCCATGGCTGGGGTGCCCAACATAC
TCACCCAGTTCCACCTGTCGCTACCGCAGCCTGGCGCAGCCAGCCACCACCACCGCTCGCCTCTCCAGC
GTTTCCTCCCATGACTCTGGCTTCGCTCTCCAGGACGCCACCTACTCCAAGCCCCCTCGCCTATGCCT
TCAGACATCACCAGCCAGAAGTCTCCAGCTCTGCATCTTCCGAGGCTCGGAAACCTGCCAGTCCGTT
AGCGAGTGCAGTCCCCACCTCGGACTGGTCCAAGGTGGCTCCCATGAGCAGCCCTCAGGCGCCACT
CTGCAGCGGAGGAAGGACCGAGTGGAGCTCCTGCGAGACACAGAGCCAGGCCCTGCCAGTGGGGCACC
CTGGGGCCCCAGCGGGAAGAGGACCGCGACCCCGGATGTCCCTGCCACCATCGCAGCCAAGCAGCGT
GAGGAGGTGTCCCCCGCGCCAGTGACCTGGCCATGGTGTGACGCGGGGCTGAGCCTGGAGCACCAG
AAGAGCAGCCGGGACTCGTGCACTACTCCAGCGGTACAGCAGCAGACCAACACGCCCTCCTGCTCT
GAGGACACCATCCCTCCCAAGGCTCCGACTACGACTGCTACTCCGTGAATGGGATGCGGACAGCGAG
GGCCCCCGCCGAGTTTGACAAGTCATCCACCATCCCGCGCAACAGCAACATCGCCCAAGTACCGCCGC
CTGATCCAGACCAAGCGCCAGCCTCCACTGCTGGGCTGCCACCGCGGGGCTGCCACGGCCACTGGC
CTGCCCTCGGGCGACCCCCCGGCTGGCCACCATCCGCGCACACCTCCACCAAGCCACCGTGC
CGCGCCCTGTCCAGCGTGGCCCCATCCCCATCCGGCCGCCATCGTCCCTGTGAAGACGCCACCGTG
CCTGACTCCCCCGCTACATGGGGCCACACGGGCGGGCAGTGAGGAGTGCCTTTATACCGACGAG
ACCGCCTCACCCCTGGCACCGACCTCGCAAGGCCTCCCCAAAGAGGCTCAGCCTGCCAACACAGCC
TGGGGCAGCCATCCCCAGAGGACCGGGTACCCCGGGCAGGGGCGGAGGACGAGCAGCAGCAGCTG
GCGGCCAACCGGCACAGCCTGGTGGAGAAGCTGGGGAGCTGGTGGCGGGTGCCACGCACTGGGTGAG
GGCCAGTTCCCTTCCCACTGCTGTGCGGCCACCCACGGAGGAGACGCCACCCACCCACCCAGCC
GCCACGAGCAGCCCCCGGCCGAAGACATGCTGGTGGCCATCCGGCGTGGGGTCCGGCTCCGAGGACC
GTCACCAACGACAGGTGGCGCCCCGATCTTAATGA
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_138383

Insert Size:

2244 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_138383.2</u>
RefSeq Size:	4977 bp
RefSeq ORF:	2244 bp
Locus ID:	92154
UniProt ID:	<u>Q765P7</u>
Cytogenetics:	16q22.1
MW:	79.9 kDa
Gene Summary:	Involved in plasma membrane dynamics. Potentiated PDGF-mediated formation of membrane ruffles and lamellipodia in fibroblasts, acting via RAC1 activation (PubMed:14752106). May function in actin bundling (PubMed:14752106).[UniProtKB/Swiss-Prot Function]