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Product datasheet for RC220427

MTSS2 (NM_138383) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTSS2 (NM_138383) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MTSS2
Synonyms:	ABBA; ABBA-1; ABBA1; MTSS1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC220427 representing NM_138383
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACGGCGGAGAAGGAGTGCGGCGCCCTGGGCGGGCTCTTCCAGGCCATAGTCAACGACATGAAGA
GCTCCTACCCTATCTGGGAGGACTTCAACTCCAAGGCCACGAAGCTGCATTCCCAGCTGAGGACCACCGT
GCTGGCTGCTGTGGCCTTCCTGGATGCCTTCCAGAAAGTGGCTGACATGGCTACCAACACCCGAGGGGCC
ACGAGGGACATCGGCTCGGCGCTCACACGCATGTGCATGCGCCACCGCAGCATCGAGACCAAGCTGCGGC
AGTTCACCAACGCACTGCTGGAGAGCCTCATCAACCCGCTGCAGGAGCGCATCGAGGACTGGAAGAAGGC
GGCCAACCAGCTGGACAAGGACCACGCGAAAGAGTACAAACGAGCCCGGCATGAGATCAAAAAGAAGTCG
TCGGACACGCTGAAGCTGCAGAAGAAGGCGCGCAAAGAGCTACTTGGGAAAGGAGACCTGCAGCCCCAGC
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CCGGGCGCTGATCGAGGAGCGGGGCCGCTTCTGCACCTTCATCACCTTCCTGCAGCCTGTGGTGAATGGA
GAGCTGACCATGCTGGGAGAGATCACCCACCTGCAGGGCATCATCGACGACTTGGTGGTGCTGACAGCAG
AACCCCACAAACTGCCTCCCGCCAGCGAGCAGGTAATCAAAGACCTAAAGGGCTCGGACTACAGCTGGTC
CTACCAGACCCCACCCTCATCACCCAGCAGCTCCAGCTCCCGGAAGTCCAGCATGTGCAGTGCCCCCAGC
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CCTGTCGCTACCGCAGCCTGGCGCAGCCAGCCACCACCACCGCTCGCCTCTCCAGCGTTTCCTCCCATGA
CTCTGGCTTCGTCTCCCAGGACGCCACCTACTCCAAGCCCCCCTCGCCTATGCCTTCAGACATCACCAGC
CAGAAGTCCTCCAGCTCTGCATCTTCCGAGGCCTCGGAAACCTGCCAGTCCGTTAGCGAGTGCAGCTCCC
CCACCTCGGACTGGTCCAAGGTCGGCTCCCATGAGCAGCCCTCAGGCGCCACTCTGCAGCGGAGGAAGGA
CCGAGTGGAGCTCCTGCGAGACACAGAGCCAGGCCCTGCCAGTGGGGGCACCCTGGGCCCCAGCGGGGAA
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CATCCACCATCCCGCGCAACAGCAACATCGCCCAGAACTACCGCCGCCTGATCCAGACCAAGCGCCCAGC
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GCCAAGGCCTCCCCAAAGAGGCTCAGCCTGCCCAACACAGCCTGGGGCAGCCCATCCCCAGAGGCAGCCG
GGTACCCCGGGGCAGGGGCCGAGGACGAGCAGCAGCAGCTGGCGGCCAACCGGCACAGCCTGGTGGAGAA
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A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220427 representing NM_138383
Red=Cloning site Green=Tags(s)

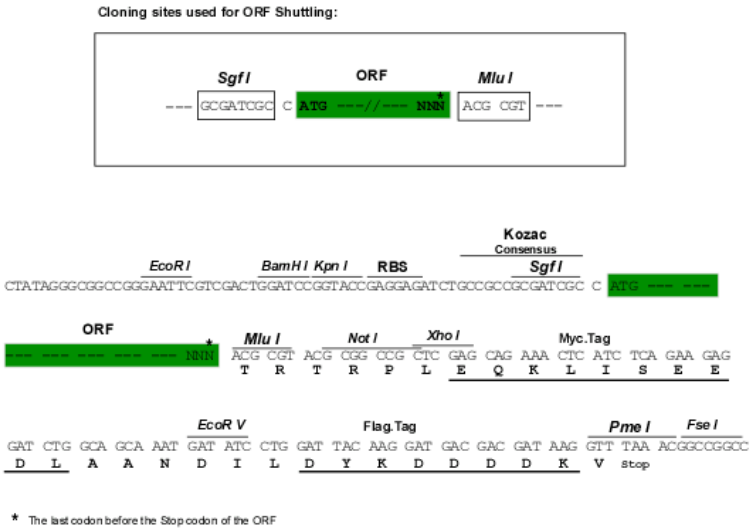
METAEKECGALGGLFQAIVNDMKSSYPIWEDFNSKATKLHSQLRTTVLAAVAFLDAFQKVADMATNTRGA
TRDIGSALTRMCMRHRSIETKLRQFTNALLESLINPLQERIEDWKKAANQLDKDHAKEYKRARHEIKKKS
SDTLKLQKKARKELLGKGDLQPQLDSALQDVNDMYLLLEETEKQAVRRALIEERGRFCTFITFLQPVVNG
ELTMLGEITHLQGIIDDLVVLTAEPHKLPPASEQVIKDLKGSDYSWSYQTPPSSPSSSSSRKSSMCSAPS
SSSSAKGGGAPWPGGAQTYSPSSTCRYRSLAQPATTTARLSSVSSHDSGFVSQDATYSKPPSPMPSDITS
QKSSSSASSEASETCQSVSECSSPTSDWSKVGSHEQPSGATLQRRKDRVELLRDTEPGPASGGTLGPSGE
EAPRPRMSPATIAAKHGEEVSPAASDLAMVLTRGLSLEHQKSSRDSLQYSSGYSTQTTTPSCSEDTIPSQ
GSDYDCYSVNGDADSEGPPEFDKSSTIPRNSNIAQNYRRLIQTKRPASTAGLPTAGLPTATGLPSGAPPG
VATIRRTPSTKPTVRRALSSAGPIPIRPPIVPVKTPTVPDSPGYMGPTRAGSEECVFYTDETASPLAPDL
AKASPKRLSLPNTAWGSPSPEAAGYPGAGAEDEQQQLAANRHSLVEKLGELVAGAHALGEGQFPFPTALS
ATPTEETPTPPPAATSDPPAEDMLVAIRRGVRLRRTVTNDRSAPRIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138383

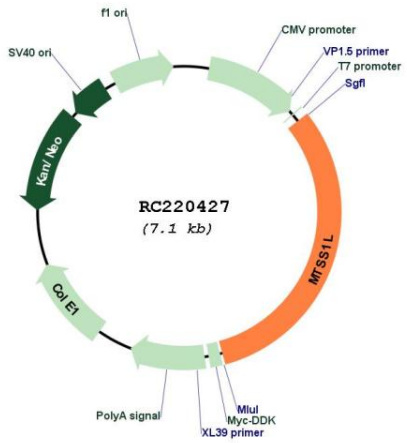
ORF Size: 2241 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

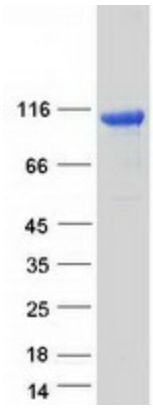
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_138383.3
RefSeq Size:	2244 bp
RefSeq ORF:	2244 bp
Locus ID:	92154
UniProt ID:	Q765P7
Cytogenetics:	16q22.1
MW:	79.7 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]

Product images:



Circular map for RC220427



Coomassie blue staining of purified MTSS2 protein (Cat# [TP320427]). The protein was produced from HEK293T cells transfected with MTSS2 cDNA clone (Cat# RC220427) using MegaTran 2.0 (Cat# [TT210002]).