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Product datasheet for RG208248

MST1 (NM_020998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MST1 (NM_020998) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MST1
Synonyms:	D3F15S2; DNF15S2; HGFL; MSP; NF15S2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG208248 representing NM_020998
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCTGTGGTGGGTCACAGTGCAGCCTCCAGCCAGAAGGATGGGGTGGCTCCCACTCCTGCTGCTTC
TGACTCAATGCTTAGGGGTCCCTGGGCAGCGCTCGCCATTGAATGACTTCCAAGTGCTCCGGGGCACAGA
GCTACAGCACCTGCTACATGCGGTGGTGCCCGGGCCTTGGCAGGAGGATGTGGCAGATGCTGAAGAGTGT
GCTGGTCGCTGTGGGCCCTTAATGGACTGCCGGGCCTTCCACTACAACGTGAGCAGCCATGGTTGCCAAC
TGCTGCCATGGACTCAACACTCGCCCCACACGAGGCTGCGGCGTTCTGGGCGCTGTGACCTCTTCCAGAA
GAAAGACTACGTACGGACCTGCATCATGAACAATGGGGTTGGGTACCGGGGCACCATGGCCACGACCGTG
GGTGGCCTGCCCTGCCAGGCTTGGAGCCACAAGTTCCCAAATGATCACAAGTACACGCCCACTCTCCGGA
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GAGGAATACCGCGGCGCGGTAGACCGCACGGAGTCAGGGCGCGAGTGCCAGCGCTGGGATCTTCAGCACC
CGCACCAGCACCCCTTCGAGCCGGGCAAGTTCCTCGACCAAGGTCTGGACGACAACTATTGCCGGAATCC
TGACGGCTCCGAGCGGCCATGGTGCTACACTACGGATCCGCAGATCGAGCGAGAGTTCTGTGACCTCCCC
CGCTGCGGGTCCGAGGCACAGCCCCGCCAAGAGGCCACAACTGTCAGCTGCTTCCGCGGGAAGGGTGAGG
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GTTGTACAGACGACGTGCGGCCCCAGGACTGCTACCACGGCGCAGGGGAGCAGTACCGCGGCACGGTCAG
CAAGACCCGCAAGGGTGTCCAGTGCCAGCGCTGGTCCGCTGAGACGCCGCACAAGCCGCAGTTCACGTTT
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CATGGAGAGCCAAGCCTACAGCGGGTCCCAGTAGCCAAGATGGTGTGTGGGCCCTCAGGCTCCCAGCTTG
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GTATGTGGTGCCTCCAGGGACCAAGTGTGAGATTGCAGGCTGGGGTGAGACCAAAGGTACGGGTAATGAC
ACAGTCCTAAATGTGGCCTTGCTGAATGTCATCTCCAACCAGGAGTGTAACATCAAGCACCGAGGACGTG
TGCGGGAGAGTGAGATGTGCACTGAGGGACTGTTGGCCCCTGTGGGGGCCTGTGAGGGTGACTACGGGGG
CCCACTTGCCTGCTTTACCCACAACTGCTGGGTCCTGGAAGGAATTATAATCCCCAACCGAGTATGCGCA
AGGTCCCGCTGGCCAGCTGTCTTCACGCGTGTCTCTGTGTTTGTGGACTGGATTCACAAGGTCATGAGAC
TGGGT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

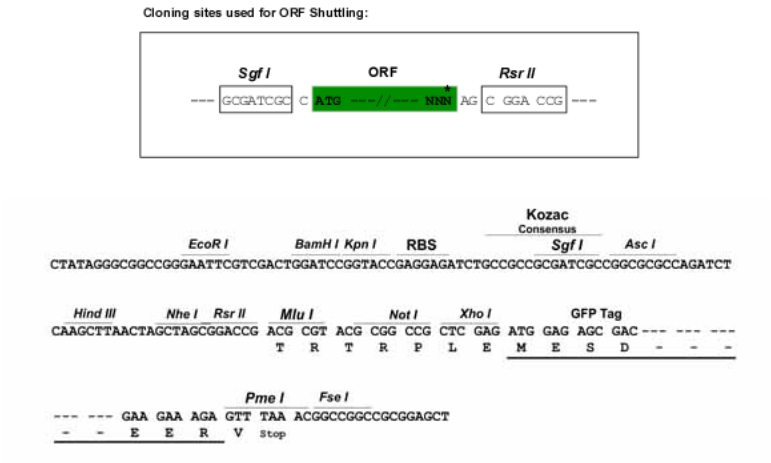
>RG208248 representing NM_020998
Red=Cloning site Green=Tags(s)

MGLWWVTVQPPARRMGWLPLLLLLTQCLGVPGQRSPLNDFQVLRGTELQHLLHAVVPGPWQEDVADAEEC
AGRCGPLMDCRAFHYNVSSHGCQLLPWTQHSPHTRLRRSGRCDLFQKKDYVRTCIMNNGVGYRGTMATTV
GGLPCQAWSHKFPNDHKYTPTLRNGLEENFCRNPDGDPGGPWCYTTDPAVRFQSCGIKSCREAACVWCNG
EEYRGAVDRTESGRECQRWDLQHPHQHPFEPGKFLDQGLDDNYCRNPDGSERPWCYTTDPQIEREFCDLP
RCGSEAQPRQEATTVSCFRGKGEGYRGTANTTTAGVPCQRWDAQIPHQHRFTPEKYACKDLRENFCRNPD
GSEAPWCFTLRPGMRAAFCYQIRRCTDDVRPQDCYHGAGEQYRGTVSKTRKGVQCQRWSAETPHKPQFTF
TSEPHAQLEENFCRNPDGDSHGPWCYTMDPRTPFDYCALRRCADDQPPSILDPPDQVQFEKCGKRVDRLD
QRRSKLRVVGGHPGNSPWTVSLRNRQGQHFCGGSLVKEQWILTARQCFSSCHMPLTGYEVWLGTLFQNPQ
HGEPSLQRVPVAKMVCGPSGSQLVLLKLERSVTLNQRVALICLPPEWYVVPPGTKCEIAGWGETKGTGND
TVLNVALLNVISNQECNIKHRGRVRESEMCTEGLLAPVGACEGDYGGPLACFTHNCWVLEGIIIPNRVCA
RSRWPAVFTRVSVFVDWIHKVMRLG

SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_020998

ORF Size: 2175 bp

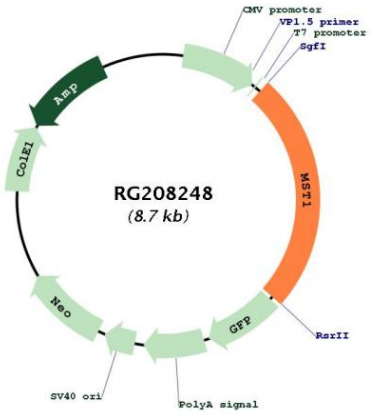
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
RefSeq:	NM_020998.3, NP_066278.3
RefSeq Size:	2348 bp
RefSeq ORF:	2178 bp
Locus ID:	4485
UniProt ID:	P26927
Cytogenetics:	3p21.31
Domains:	KR, Tryp_SPc, PAN, PAN_AP
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene contains four kringle domains and a serine protease domain, similar to that found in hepatic growth factor. Despite the presence of the serine protease domain, the encoded protein may not have any proteolytic activity. The receptor for this protein is RON tyrosine kinase, which upon activation stimulates ciliary motility of ciliated epithelial lung cells. This protein is secreted and cleaved to form an alpha chain and a beta chain bridged by disulfide bonds. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RG208248