

Product datasheet for **RC229352**

MST1 (NM_020998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	MST1
Synonyms:	D3F15S2; DNF15S2; HGFL; MSP; NF15S2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC229352 representing NM_020998
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGGGCTGTGGTGGGTACAGTGCAGCCTCCAGCCAGAAGGATGGGGTGGCTCCCACTCCTGCTGCTTC
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Protein Sequence: >RC229352 representing NM_020998
 Red=Cloning site Green=Tags(s)

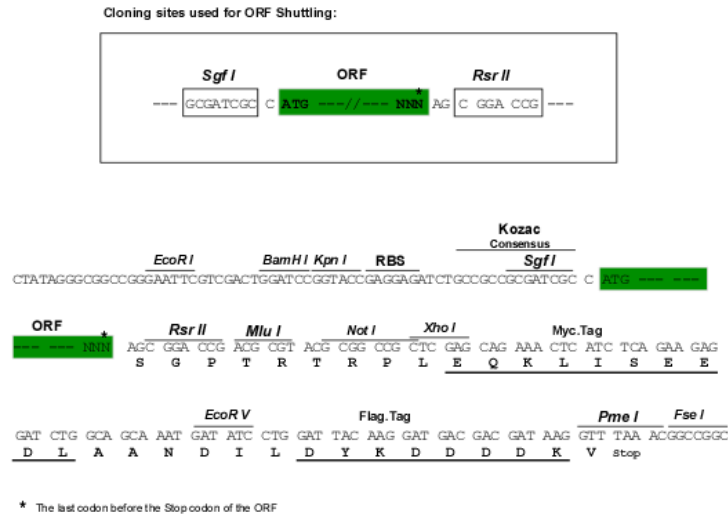
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 RSRWPAVFTRVSFVDWIHKVMRLG

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8035_c02.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_020998

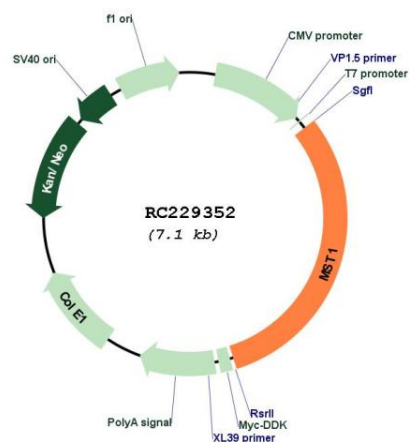
ORF Size: 2175 bp

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](#)

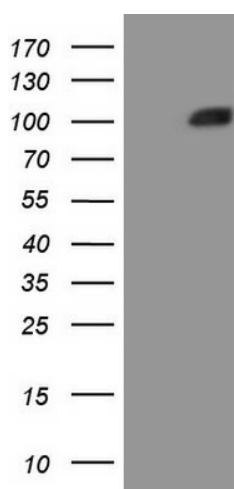
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020998.3 , NP_066278.3
RefSeq ORF:	2178 bp
Locus ID:	4485
UniProt ID:	P26927
Cytogenetics:	3p21.31
Domains:	KR, Tryp_SPc, PAN, PAN_AP
Protein Families:	Druggable Genome
MW:	78.4 kDa
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]

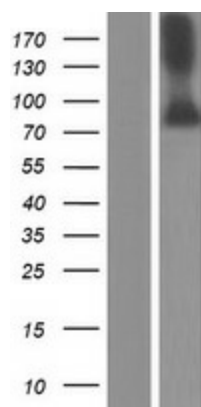
Product images:



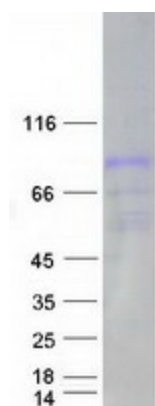
Circular map for RC229352



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MST1 (Cat# RC229352, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MST1 (Cat# [TA808500])(1:2000). Positive lysates [LY432366] (100ug) and [LC432366] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY432366]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229352 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MST1 protein (Cat# [TP329352]). The protein was produced from HEK293T cells transfected with MST1 cDNA clone (Cat# RC229352) using MegaTran 2.0 (Cat# [TT210002]).