

Product datasheet for **RC238067**

MST3 (STK24) (NM_001286649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MST3 (STK24) (NM_001286649) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK24
Synonyms:	HEL-S-95; MST3; MST3B; STE20; STK3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238067 representing NM_001286649 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCACTCCCGGTGCAGTCGGCCTGCCCGCATGCAGAACCTAAAGGCAGACCCAGAAGAGCTTT
TTACAAAAGTAGAGAAAATTGGGAAGGGCTCCTTTGGAGAGGTGTTCAAAGGCATTGACAATCGGACTCA
GAAAGTGGTTGCCATAAAGATCATTGATCTGGAAGAAGCTGAAGATGAGATAGAGGACATTCAACAAGAA
ATCACAGTGTGAGTCAGTGTGACAGTCCATATGTAACCAAATATTATGGATCCTATCTGAAGTTAGAAC
CTGGCCATTAGATGAAACCCAGATCGCTACTATATTAAGAGAAAATACTGAAAGGACTCGATTATCTCCA
TTCCGAGAAGAAAATCCACAGAGACATTAAGCGGCCAACGTCCTGCTGTCTGAGCATGGCGAGGTGAAG
CTGGCGGACTTTGGCGTGGCTGGCCAGCTGACAGACACCCAGATCAAAGGAACACCTTCGTGGGCACCC
CATTCTGGATGGCACCCGAGGTCAACACAGTCGGCCTATGACTCGAAGGCAGACATCTGGTCCCTGGG
CATAACAGCTATTGAACTTGCAAGAGGGGAACCCACCTCATTCCGAGCTGCACCCATGAAAGTTTATTC
CTCATTCCAAAGAACAACCCACCGACGTTGGAAGGAAACTACAGTAAACCCCTCAAGGAGTTTGTGGAGG
CCTGTTTGAATAAGGAGCCGAGCTTTAGACCCACTGCTAAGGAGTTATTGAAGCACAAGTTTATACTACG
CAATGCAAAGAAAACCTTCTACTTGACCGAGCTCATCGACAGGTACAAGAGATGGAAGGCCGAGCAGAGC
CATGACGACTCGAGCTCCGAGGATTCGACGCGGAAACAGATGGCCAAGCCTCGGGGGCAGTGATTCTG
GGGACTGGATCTTCAAAATCCGAGAAAAAGATCCCAAGAATCTCGAGAATGGAGCTCTTCAGCCATCGGA
CTTGGACAGAAAATAAGATGAAAGACATCCCAAAGAGGCCCTTCTCTCAGTGTTTATCTACAATTATTTCT
CCTCTGTTTGCAGAGTTGAAGGAGAAGGCCAGGCGTGCAGGGGAACTTGGGTCCATTGAAGAGCTGC
GAGGGGCCATCTACCTAGCGGAGGAGGCGTCCCTGGCATCTCCGACACCATGGTGGCCAGCTCGTGCA
GCGGCTCCAGAGATACTCTAAGTGGTGGAGGAACTTCATCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC238067 representing NM_001286649
 Red=Cloning site Green=Tags(s)

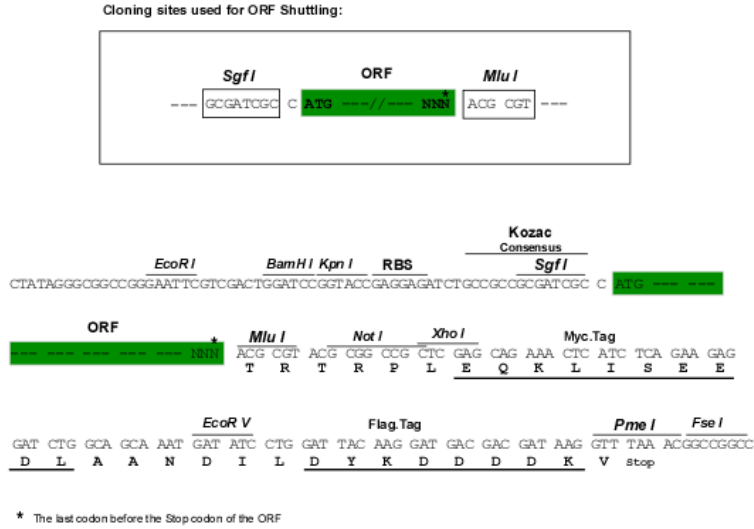
MAHSPVQSGPLPGMQLKADPEELFTKLEKIGKGSFGEVFKGIDNRTQKVVAIKIIDLEEADEIEDIQQE
 ITVLSQCDSPYVTKYYGSKLEPGPLDETQIATILREILKGLDYLHSEKKIHRDIKAANVLLSEHGVEK
 LADFGVAGQLTDTQIKRNTFVGTFFWMAPEVIKQSAYDSKADIWSLGITAIELARGEPPHSELHPMKVLF
 LIPKNNPPTLEGNYSKPLKEFVEACLNKEPSFRPTAKELLKHKFILRNAKKTSYLTELIDRYKRWKAEQS
 HDDSSSESDAETDQGASGSDSGDWIFITIREKDPKNLENGALQPSDLDRNKMMDIPKRPFSQLSTIIS
 PLFAELKEKSQACGGNLGSIIEELRGAIYLAEEACPGISDTMVAQLVQRLQRYSLSGGGTSSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

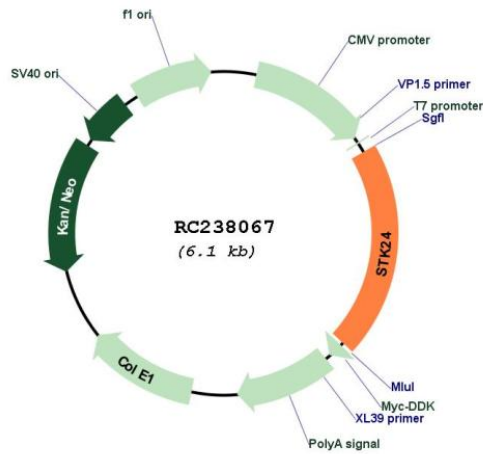
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286649

ORF Size:	1236 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:	<ol style="list-style-type: none">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_001286649.1 , NP_001273578.1
RefSeq Size:	4578 bp
RefSeq ORF:	1239 bp
Locus ID:	8428
Cytogenetics:	13q32.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	46.3 kDa
Gene Summary:	This gene encodes a serine/threonine protein kinase that functions upstream of mitogen-activated protein kinase (MAPK) signaling. The encoded protein is cleaved into two chains by caspases; the N-terminal fragment (MST3/N) translocates to the nucleus and promotes programmed cells death. There is a pseudogene for this gene on chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]