

## Product datasheet for **RG238067**

### **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:	TurboGFP
Symbol:	MST3
Synonyms:	HEL-S-95; MST3; MST3B; STE20; STK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238067 representing NM_001286649. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCACTCCCGGTGCAGTCGGGCCTGCCCGCATGCAGAACCTAAAGGCAGACCCAGAAGAGCTT
TTTACAAAAGTAGAGAAAATTGGGAAGGGCTCCTTTGGAGAGGTGTTCAAAGGCATTGACAATCGGACT
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TCTACAATTATTTCTCTCTGTTTGCAGAGTTGAAGGAGAAGAGCCAGGCGTGCGGAGGGAACCTGGGG
TCCATTGAAGAGCTGCGAGGGGCCATCTACCTAGCGGAGGAGGCGTGCCCTGGCATCTCCGACACCATG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



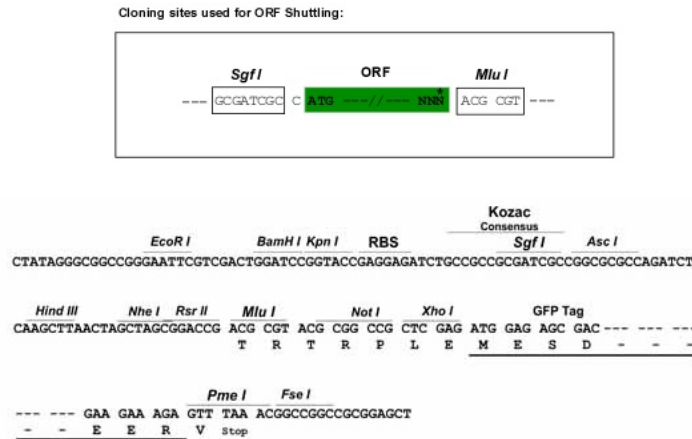
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG238067  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAHSPVQSGLPQMQLKADPEELFTKLEKIGKGSFGEVFKGIDNRTQKVVAIKIIDLEEADEIEDIQQ  
 EITVLSQCDSPLYTKYYGSYLKLEPLDETQIATILREILKGLDYLHSEKKIHRDIKAANVLLSEHGE  
 VKLADFGVAGQLTDTQIKRNTFVGTPFWMAPEVIKQSAYDSKADIWSLGITAIELARGEPPHSELHPMK  
 VLFLIPKNNPPTLEGNYSKPLKEFVEACLNKEPSFRPTAKELLKHKFILRNAKTSYLTTELIDRYKRWK  
 AEQSHDDSSSESDAETDQASGGSDSGDWIFTIREKDPKNLENGALQPSDLDRNKMKDIPKRPFSQCL  
 STIISPLFAELKEKSQACGGNLGSIIEELRGAIIYLAEACPGISDTMVAQLVQRLQRYSLSGGGTSSH  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

**RefSeq:** [NM\\_001286649.1](#), [NP\\_001273578.1](#)

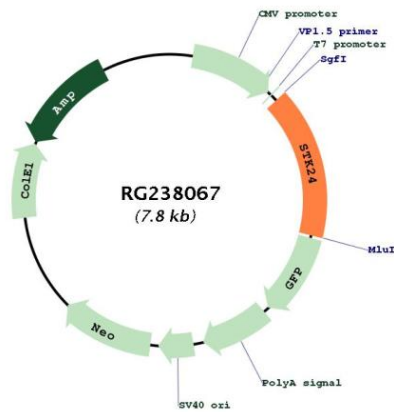
**RefSeq Size:** 4578 bp

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]

### Product images:



Circular map for RG238067