

Product datasheet for MR227344

Mst1r (NM_009074) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mst1r (NM_009074) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mst1r
Synonyms: CD136; CDw136; Fv; Fv-; Fv-2; Fv2; PTK; PTK8; Ron; ST; STK
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227344 representing NM_009074
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCTGCCTCTGCCGCTGCTTCAATCCTCTCTTCTGCTAATGCTTCTTTGCGGCTGTCGGCGGCGT
 CCACCAACCTGAACTGGCAGTGGCCACGAATACCTACGCAGCCTCCCGAGACTTCAGTGTCAAGTACGT
 GGTCCCCAGCTTCTCCGCGGGGGCCGGGTACAGGCCACCGCAGCCTACGAGGACAGTACAATAGTGCG
 GTGTTTGTGGCCACACGCAATCACCTGCACGTGCTTGGGCTGACCTGCAGTTTCATAGAGAACCTGACCA
 CTGGCCCTATCGGGAACCCTGGCTGCCAGACTTGTGCGAGCTGTGGTCCAGGCCCTCATGGACCACCAA
 GGACACAGACACACTGGTGTAGTGATGGAGCCAGGTTTCCAGCCCTGGTCAGCTGTGGCTCAACCCTA
 CAGGGCCGCTGCTTCTGCATGAGCTGGAGCCTCGGGGAAAGCCCTGCACTTAGCAGCTCCAGCCTGCC
 TATTCTCAGAAACAATAACAAGCCTGAGGCTGCACGGACTGTGTGGCTAGCCCCCTGGGCACTCGTGT
 GACTGTGGTGGAGCAGGGCATGCTTCTACTTCTATGTGGCATCTTCGCTAGACCCAGAGTTGGCCGCT
 AGCTTTAGCCCCGCTCGGTGTCATCCGTCGCTAAAGTCTGATACTTCTGGATTCCAACAGGTTTTTC
 CGTCGCTGTCGGTGTGCCAAATATTTGGCCTCCTACCTCATCAATATGTGTACAGCTTCCACTCGGG
 GGATTTTGTCTACTTTCTGACTGTCCAGCCCATCAGTGTACAAGCCCTCCAGTGCCTTGACATACAGT
 CTGGTCCGGCTCAATGCTGTAGAGCCAGAGATTGGTACTACCGGGAGCTGGTCTTGACTGTCAATTTTG
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 TGCTCCAGTGGATGCCAACTGGCTGTGGAAGTGGAGCATTTCAGAGGGCCAGGAAGTGTCTTTTGGGGT
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 ACCTGAACATCCTGATTGAAGAGGGTGTGCAATATTGCTGTCACTTCAAATTTCTTCCCTGTTGTC
 GAGAGGCCTTGACTTCTCCAGACGCCAGTTTTTGTCTAATCCGCTGGTGGAGAGGCCCTCCGCCCC
 AGCTCCGTTGCCACTACTTCCCTTTGATGGTCCACGCTAGCTTACCCGTGGACCTTCAATGGAC
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 CACTGTGGATGGCGTGTCTACAGGTGGAGATAGCCAGTCACTCAACTACCTGCTGTATGTGTCCAAC



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TTCTCCCTGGGCAGCAGTGGACAGCCTGTTCATCGGGATGTCAGCCGCCTCGGAATGACCTACTCTTTG
 CCTCTGGGGACCAGGTCTTCAAGGTGCCATCCAGGGCCCTGGCTGTCGTATTTTCTACCTGTTGGCG
 TTGCCTGAGAGCACAGCGCTTATGGGATGTGGCTGGTGTGGGGACCGGTGTGACCGGCAGAAGGAGTGT
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 AACACACCAGATCACCGTGGGCCAAAAGTCCCTGCCGACTGCTGCCTAAGGACTCTTCAAGCCCTAGGCCA
 GGGTCCCTCAAGGAATTCATACAGGAATTGAATGTGAGCTGGAGCCCTGGTCACCCAGGCAGTGGGGA
 CTACAAAACATCAGCCTTGTTCATCACCAACATGCCAGCAGGCAAGCACTTCCGAGTGGGAAGGCATCTCTGT
 ACAGGAAGGCTTCTTTTCGTGGAGCCAGTGTGACATCAATAAAAACCTGACTTTGGCCCGGGCTGGG
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 TGCATGCTGGACGAGTCAATTCACAGTCAAGGTGGCTGACTTTGGTCTGGCACGGGGCGCTTAGACAAGG
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 GACCTACAGGTTACCACCAAGTCCGATGTGTGGTCAATTCGGGGTGTGCTCTGGGAGCTACTAACACGG
 GGTGCTCCACCCTACCCCATATCGATCCCTTCGACCTCTCTCACTTCTTGGCTCAGGGCCGCTCGCTGC
 CTCAGCCTGAGTACTGCTGCTGATTCAGTGTATCACGTGATGCTTCGATGCTGGGAGGCTGACCCAGCGGC
 ACGACCCACCTTCAGAGCCCTAGTGTGGAAGTAAAGCAGGTAGTGGCCTCACTGCTTGGGGACCACTAT
 GTGCAGCTGACAGCAGCTTATGTGAACGTAGGCCCCAGAGCGGTGGATGATGGGAGTGTGCCTCCGGAGC
 AGGTACAGCCCTCGCCTCAGCATTGACAGGACAGTCAAAGCCCCGGCCTCTCTCAGAGCCACCCCTGCC
 CACT

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_009074

ORF Size: 4134 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009074.2](#), [NP_033100.2](#)

RefSeq Size: 4706 bp

RefSeq ORF: 4137 bp

Locus ID: 19882

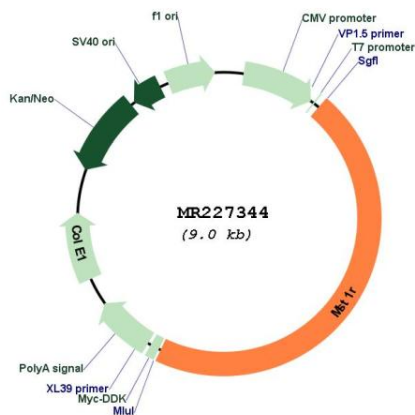
UniProt ID: [Q62190](#)

Cytogenetics: 9 F1

MW: 151 kDa

Gene Summary: This gene encodes a precursor protein that is proteolytically cleaved to yield an alpha chain and a beta chain which form a membrane-spanning heterodimer. The encoded protein belongs to a family of cell-surface receptor tyrosine kinases involved in signaling from the cell surface to the intracellular environment. The binding of the encoded protein to its ligand, macrophage-stimulating protein, mediates several biological activities including wound healing, tumor immunity, macrophage activation and hematopoiesis as well as cell growth, motility, survival and adhesion. The protein encoded by this gene also functions in early development and the macrophage-mediated inflammatory response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Product images:



Circular map for MR227344