

Product datasheet for **MC227896**

Mst1r (NM_001287261) Mouse Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Mst1r (NM_001287261) Mouse Untagged Clone |
| Tag: | Tag Free |
| 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) |



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Fully Sequenced ORF: >MC227896 representing NM_001287261
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGTGGGTGGTGTGAGGTCTGCCAACATGAGCTCCGGGGGATGTGGTGTATCTGCCCCCTGCCCCCTT
 CCCTGCAACTTGGCAAGGATGGTGTCCATTGCAGGTCTGTGTAGACGGTGGGTGTACATCCTGAGCCA
 AGTGGTTCGCTCAAGCCAGGCAGGCGCTCACAGAGGATACTCCTTATTGCTCTTCTGGTCTTGATCCTG
 CTTGTGGCTGTGCTGGCCGTTGCCCTGATCTTTAACTCCCAGAACGAGGAAAAAGCAGCTAGGTGCTCACT
 CCCTCTCCCCAACAACTCTCTGACATCAACGATACAGCTTCCGGGGCTCCGAACCATGAAGAATCGTC
 AGAGAGTAGGGATGGGACAAGTGTCCACTGCTGCGGACAGAGTCTATCCGGCTCCAGGATCTGGACAGG
 ATGCTCCTAGCTGAGGTCAAGGATGTACTGATCCCATGAACAAGTGGTATCCATACTGACCAAGTCA
 TTGGCAAAGGCCACTTTGGTGTGTCTACCACGGAGAATATACAGACGGAGCACAGAATCAGACCCACTG
 TGCCATCAAGTCTCTGAGTCGCATTACAGAGGTGCAGGAGGTGGAGGCTTTCCTGCGGGAGGGGCTGCTC
 ATGCGTGGCCTACATCACCCAAACATCCTGGCTCTCATCGGTATCATGCTGCCCCCGAGGGGCTTCCCC
 GGGTGTGTTGCCCTATATGCGCCACGGAGACCTGCTTCAATTCATTGCTCCCCCTCAGAGGAACCCAC
 TGTGAAGGATCTTGTGAGCTTTGGCCTGCAGGTAGCCTGTGGTATGGAGTACCTGGCAGAGCAGAAGTTC
 GTGCACAGAGACCTGGCTGCTAGGAACTGCATGCTGGACGAGTCAATTCACAGTCAAGGTGGCTGACTTTG
 GTCTGGCACGGGGCGTCTAGACAAGGAATACTACAGTGTTCGCCAGCATCGCCATGCTCGCTGCCAGT
 CAAATGGATGGCACTGGAGAGCCTGCAGACCTACAGGTTACCACCAAGTCCGATGTGTGGTCAATTCGGG
 GTGCTGCTCTGGGAGCTACTAACACGGGGTGTCCACCCTACCCCATATCGATCCCTTCGACCTCTCTC
 ACTTCTGGCTCAGGGCCGTCGCTGCCTCAGCCTGAGTACTGCTGCTGATTCAGTATCAGTGTGATGCT
 TCGATGCTGGGAGGCTGACCCAGCGGCACGACCCACCTTCAGAGCCCTAGTGTGGAAGTAAAGCAGGTA
 GTGGCCTCACTGCTTGGGGACCCTATGTGCAGCTGACAGCAGCTTATGTGAACGTAGGCCCCAGAGCGG
 TGGATGATGGGAGTGTGCTCCGGAGCAGGTACAGCCCTCGCCTCAGCATTGCAGGAGCACGTCAAAGCC
 CCGGCCTCTCTCAGAGCCACCCCTGCCACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Chromatograms:** https://cdn.origene.com/chromatograms/ja3326_a01.zip
- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001287261
- Insert Size:** 1434 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001287261.1](#), [NP_001274190.1](#)

RefSeq Size: 1796 bp

RefSeq ORF: 1434 bp

Locus ID: 19882

Cytogenetics: 9 F1

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]

Transcript Variant: This variant (2) represents the use of an alternate promoter, differs in the 5' UTR, lacks a significant portion of the 5' coding region and initiates translation at a downstream start codon compared to variant 1. The encoded isoform (2, also known as short-form Ron or SF-Ron or sf-Stk) has a shorter N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.