

Product datasheet for **MR210243**

Mst1 (NM_008243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mst1 (NM_008243) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mst1
Synonyms:	D3F15S2h; D9H3F15S2; DNF15S2h; Hgfl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210243 representing NM_008243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTGGCTCCCACTTCTGCTGCTTCTGGTACAGTGTTC AAGGGCTCTTGGGCAGCGCTCACCCTGA
 ATGACTTCCAGCTGTTCCGGGGCACAGAGTTAAGGAACCTGTTACACACAGCGGTGCCGGGGCCATGGCA
 GGAGGATGTGGCAGATGCTGAGGAGTGTCTAGGCGCTGTGGGCCCTTCTGGACTGTCGGGCCCTCCAC
 TACAACATGAGCAGCCATGGTTGCCAGCTGCTGCCGTGGACCCAGCACTCGCTGCACACACAGCTATAACC
 ACTCGAGTCTGTGCCATCTTCCAGAAGAAAGATTATGTGCGGACCTGCATTATGGACAATGGGGTCAG
 CTACCGGGGCACTGTGGCCAGGACAGCTGGTGGCCTGCCCTGCCAAGCCTGGAGTCGAGGTTCCCAAT
 GACCACAAGTACGCCCACGCCAAGAATGGCCTGGAAGAGAACTTCTGTAGGAACCTGATGGGGATC
 CCAGAGGTCCTGGTGTACACAACAACCGCAGTGTGCGTTTCCAGAGCTGTGGCATCAAACCTGCAG
 GGAGGCTGTTTGTGTTCTGTGCAACGGTGAAGATTACCGTGGCGAGGTAGACGTTACAGAGTCAGGGCGG
 GAGTGTCAACGCTGGGACCTGCAGCACCCCACTCGCACCTTTCCAGCCTGAAAAGTTCCTAGACAAGG
 ATCTGAAAGACAATATTGTCGTAATCCGGACGGATCTGAGCGGCCCTGGTGTACACCACAGACCCGAA
 GTTTGAGCGAGAATTCTGCGACCTGCCAGTTGCGGGCCTAACCTGCCTCCGACCGTCAAAGGATCCAAG
 TCACAGCGGCGCAACAAGGGCAAGGCTCTTAAGTCTTCCGCGGAAAAGGTGAAGACTATCGAGGCACAA
 CCAATACCACCTCTGCGGGCGTGCCTGCCAGCGGTGGATGCGCAGAGTCCACACCAGCACCGCTTTGT
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 CGTTCAGTGCCAGCACTGGTCTCTGAGACACCGCACAAAGCCACAATTTACACCCACCTCGGCACCGCAG
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 GGAGGCCATCCTGGAACTCCCCATGGACGGTCACTTGCAGGATCGACAGGGCCAGCATTCTGTGGG
 GCTCCCTAGTGAAGGAGCAGTGGTACTGACTGCCCGCAATGCATCTGGTCATGCCACGAACCTCTCAC
 AGGATACGAGGTATGGTGGGTACAATTAACCAGAACCCACAGCCTGGAGAGGCAACCTGCAGAGGGTC
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 TCCTGAACCATCACGTGGCCCTGATTTGCCTGCCTCCTGAACAGTATGTGGTACCTCCAGGGACCAAGT
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 GTCATCTCCAACAGGAATGTAACACGAAGTACCGAGGACACATAACAAGAGAGTGAGATATGCCCCAGG
 GAATGGTGGTCCCTGTGGGGCTTGTGAGGGTACTACGGGGGCCCACTTGCTGTATACCCATGACTG
 CTGGGTCTACAGGGACTTATCATCCCGAACAGAGTGTGTGCACGGCCCCGCTGGCCAGCTATTTTCACA
 CGGGTGTTGTGTTTGTGGACTGGATTAACAAGGTCATGCAGCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210243 representing NM_008243
 Red=Cloning site Green=Tags(s)

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MGWLPLLLLLVQCSRALGQRSPLNDFQLFRGTELRNLLHTAVPGPWQEDVADAEECARRCGPLLDCAFH
YNMSSHGQQLLPWTQHSLHTQLYHSSLCHLFQKKDYVRTCIMDNGVSYRGTVARTAGGLPCQAWSRRFPN
DHKYTPPKNGLEENFCRNPDGDPRGPWCYTTNRSVRFQSCGIKTCREAVCVLCNGEDYRGEVDVTESGR
ECQRWDLQHPHSHPFQPEKFLDKDLKDNVCRNPDGSRPWCYTTDPNVEREFCDLPCSGPNLPPTVKGSK
SQRRNKGKALNCFRKGKEDYRGTNTTTSAGVPCQRWDAQSPHQHRFVPEKYACKDLRENFCRNPDGSEAP
WCFTSRPGLRMAFCHQIPRCTEELVPEGCYHGSGEQYRGSVSKTRKGVQCQHWSETPHKPQFTPTSAQ
AGLEANFCRNPDGDSDHGPWCYTLDPDILFDYCALQRDDDQPPSILDPPDQVVFKECGKRVDKSNKLRV
GGHPGNSPWTVSLRNRQGHFCGGS�VKEQWLTARQCIWSCHEPLTGYEVWLTINQNPQGEANLQRV
PVAKAVCGPAGSQLVLLKLERPILNHHVALICLPPEQYVVPPTKCEIAGWGESIIGTSNNTVLHVASMN
VISNQECNTKYRGHIQESEICPQGMVVPVVGACEGDYGGPLACYTHDCWVLQGLIIPNRVCARPRWPAIFT
RVFVFDWINKVMQLE
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008243

ORF Size: 2148 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.

RefSeq: [NM_008243.2](#), [NP_032269.2](#)

RefSeq Size: 2286 bp

RefSeq ORF: 2151 bp

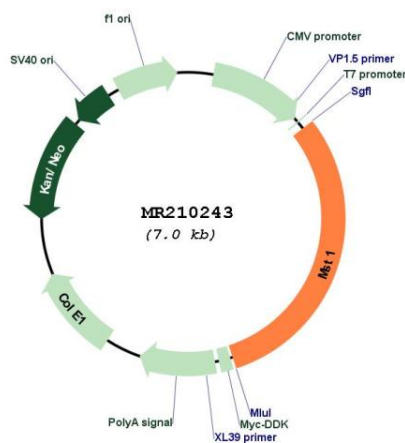
Locus ID: 15235

UniProt ID: [P26928](#)

Cytogenetics: 9 59.07 cM

MW: 81.1 kDa

Product images:



Circular map for MR210243