

Product datasheet for MR220378

Msgn1 (NM_019544) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msgn1 (NM_019544) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Msgn1
Synonyms: Msgn; pMsgn1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220378 representing NM_019544
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAACCTGGGTGAGACCTTCCTCAGCCTGGAGGATGGCCTGGACTCTTCTGACACCCTGGTCTGC
 TGGCTCTGGGACTGGAAAAGCAGAGCCAGGCCCTTGGAGCTGGTCCAGGAGTCCCCACTCAAAGCCT
 CTCCCAGCTCCTTCTCTGGAGTCTACTCTGAGGTCGCACTGCCCTGCGGGCACAGTGGGGCCAGCACA
 GGAGGCAGCGATGGCTACGGCAGTCACGAGGCTGCCGGCTTAGTCGAGCTGGATTACAGCATGTTGGCTT
 TTCAACCTCCCTATCTACACACTGCTGGTGGCCTCAAAGGCCAGAAAGGCAGAAAGTCAAGATGTCTGT
 CCAGCGGAGACGGAAGGCCAGCGAGAGAGAGAACTCAGGATGCCGACCTTAGCCGATGCCCTCCACAGC
 CTCCGGAATTACCTGCCGCTGTCTACAGCCAGAGAGGCCAACCGCTCACCAAGATCCAGACACTCAAGT
 ACACCATCAAGTACATCGGGAACTCACAGACCTCCTCAACAGCAGCGGGAGAGAGCCCAGGCCACAGAG
 TGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220378 representing NM_019544
 Red=Cloning site Green=Tags(s)

MDNLGETFLSLEDGLDSSDTAGLLASWDWKSRRARPLELVQESPTQSLSPAPSLESYSEVALPCGHSGAST
 GGSDDGYGSHEAAGLVELDYSMLAFQPPYLHTAGGLKGQKGSVKMSVQRRRKASEREKLRMRTLADALHT
 LRNYLPPVYSQRGQPLTKIQTLKYTIKYIGELTDLLNSSGREPRPQSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9076_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019544

ORF Size: 564 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_019544.1](#), [NP_062417.1](#)

RefSeq Size: 567 bp

RefSeq ORF: 567 bp

Locus ID: 56184

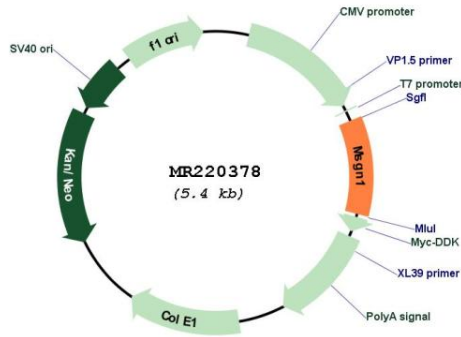
UniProt ID: [Q9JK54](#)

Cytogenetics: 12 A1.1

MW: 20.6 kDa

Gene Summary: Involved in specifying the paraxial, but not dorsal, mesoderm. May regulate the expression of T-box transcription factors required for mesoderm formation and differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220378