

Product datasheet for **MC216208**

Ism1 (NM_001126490) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ism1 (NM_001126490) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ism1
Synonyms:	5430433G21Rik; AV354986; Ism; Isthmin; RP23-296P2.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216208 representing NM_001126490
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCTGGCTGCGGAAGTCTCCTGCTGCTGGGGCTACTGCTGCTCACGCTGCACATCACGGTTC
 TGC CGGATCCGAGCCTCCGACCGGCAGGACGCGGCCGCGGCAACAATAACCTCAACCTGGAGAGTGA
 CTCACGTCAGAAACCAGCTTCTCTGTCCAAAGAAGCCCCGGAGGAGCACCAGTTGTCCACCAACCC
 TCCCCAGACAGCGATTCCCTCCAGAGACTGGACATCCTTCACTGCAGAGAGACGCCCCAGATCCTTTC
 TCCTTGACCTACCAAACCTTCCAGATCTTCCAAAGCTGATATCAATGGGCAGAAATCCAAACATTAGGT
 CACCATAGAGGTGGTTGATGGCCCTGACTCCGAAGCAGAAAAAGATCAGCATCCAGAGAATAAACCCAGC
 TGGTGCCTCCAGCTCCGACTGGCGGGCCTGGTGGCAGAGGTCCTTGTCTTGGCCAGGACAAATAGTG
 GGGACCAGGATGACAAGTATGACAGTACCTCAGATGACAGCAACTTCTCAGTGTCTTAGAGGATGGGA
 CCGTCCAGCCCCAGGACCCGGACTTTTGAACCAAAGAGCAGCCAGAGTATGATTCCACAGACGGGGAG
 GGTGATTGGAGTCTCTGGTCTGTCTGCAGCGTACCTGTGGAAATGGCAACCAGAAACCGACCCGTTCTT
 GTGGCTATGCATGCATTGCCACAGAATCCAGGACCTGTGACCGTCCAAACTGCCAGGAATTGAAGATAC
 TTTCAGGACAGCGGCCACTGAAGTGAGTCTGCTTGCGGGAAGTGAGGAGTTTAAATGCCACCAAGTTGTTT
 GAAGTTGACATGGACAGCTGTGAGCGATGGATGAGCTGCAAAAAGTGAGTTCTTAAAGAAATACATGCACA
 AGGTGATCAACGACCTGCCAGCTGCCCTGCTCCTACCTACTGAGGTGGCCTACAGCAGAGCTGACAT
 CTTTGACCGCATCAAGCGCAAGGACTCCGATGGAAGGATGCTAGTGGGCCCAAAGAGAACTAGAGATC
 TACAAGCCTACTGCTCGGTACTGCATCCGCTCTATGCTGTCCCTGGAGAGTACCACACTGGCTGCCAGC
 ACTGTTGCTATGGTGACAACATGCAGTCAACCAGGGGCAAAGGGGCAGGCACTCCCAATCTCATCAG
 CACCGAGTCTCTGCTGAACTCCAACATAAAGTGGATGTTCTGCCCTGGATTATCTGCAAGGGTACTGG
 AGCAGATATAATGAGGCCCGCCCTCCCAATAACGGACAGAAGTGACAGAGAGCCCTTCTGATGAGGACT
 ACATCAAACAGTTCGAAGAAGCCAGAGAGTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001126490

Insert Size: 1365 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](#)

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_001126490.1](#), [NP_001119962.1](#)

RefSeq Size: 2944 bp

RefSeq ORF: 1365 bp

Locus ID: 319909

Cytogenetics: 2 F3