

Product datasheet for **MC228004**

Ism2 (NM_001290302) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ism2 (NM_001290302) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ism2
Synonyms:	Gm264; Thsd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228004 representing NM_001290302
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCGGCCACCGCCAGCCGAGCACGGTTCGCGCGCCTTGATGCTGCTGGCCGCCCTGCTGGCCACTG
 GCCGAGGGCTCCCACTGAGGAAGCGAGGTCCCGGCCCCACGGCCACTCGAGGATGGCGAGGCCTCCCC
 TGCCCCAGATCTCAGCTCCCAAGGAGAAGAACAACACCAGGATTCCTGGAGACCATCTGCAGACA
 GAACCATGTAGCCCGGGTGCCAGACCATCCCTGAGCCAGCAGCTCTGACTCTGGGTACAGCCACATCTC
 CCAGGACCCTGGAACACACCCCTCTGCTGCTGGAGCTGCAGAAGCTACCAGGGTTGGCAACACAGACTT
 GAGCGCACCAACCCCAACATCCAGGTGACCATCGAGGTGGTGCAGGACCCTCAGACTGAGGTAGAGATG
 GACCTGCCTTCTGAGCCAGCAATCTTGCCCTGCATGCCCTAGCTGGTTGCCACCAAGGAATTCT
 TTTGGCCCTCTCTGGGGCTACCAGGAAGGTGAAGAAGGAGCCACCAGCCTCAGAGACAGGGCTCCAGG
 GGAAGCAGAGGTGAAGGAGGAAAGGACTATGCTGTGGAGTATGGCGAGGGTGAAGACCAAGGGGAAT
 GAAGAAGGCGAGGCTGAGGAGCCTTGGTCCAGCGGGGCCATAGACAACCTGGGACTATGGCTGGTTGGGTC
 CTCAGGAACAAGACTTCCAACAACCAGACAGCTATGACTGTGAACCCAGGAGGAGTGGAGCACCTGGTC
 TCCCTGCAACGGGAGCTGCGGCAGCGGATACCAGCAGAGAACGCGACCCTGCGGCTATGCCTGCACTGCC
 ACAGAGTCCCGAGTCTGCGACCTTGCCCTGTCTGGCACCGCAGAGGAGAACAGTGGGCTTTCCCA
 GTGAGGGGTGGCAGCCCTTGCCCAATGCAACGGATATGCTTGATCCAGATGTGGACAGCTGTGAGAA
 GTGGCTGAAGTGAAGAGTGAAGTTCCTAGCTAACTACCTGAGCCAAGTGTCAAGGACCTGCCAGTTGC
 CCGTGTGCATACCCTCTGGAGGCAGTGTACAGCGCCCGCTGAGCCTGCAGGACGAACATCAGGGTCGCA
 GCTTCCAGTGGCGGGATGCGAGTAGCCCAAGAGCGCTTGACATCTACCAGCCTACTGCGCGCTACTG
 CCTGCGTTCCATGCTGTCTAGTGAGAGCAGCACCTTGGCTGCCAGCACTGCTGCTATGATGAAGGCAGC
 CGTTGCTGACCCGTGGCAAAGGGGAGGGGCCCGGACTTAGTCAGCACTGACTTTTACCTGAGCTTC
 ACTTCAAGGTAGATAGGCTGCCCTGGATCCTGTGTAAGGGGGACTGGAGCCGCTACCACACTGTGCGCC
 CCCCACAATGGCCGGCTTGACAGACAACCCACCAGAGGAAGAGTACCTGGCTCAATTGCAGGAGGCC
 AAAGAGTACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290302

Insert Size: 1482 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001290302.1, NP_001277231.1

RefSeq Size: 2526 bp

RefSeq ORF: 1482 bp

Locus ID: 217738

Cytogenetics: 12 D2