

Product datasheet for **MC218059**

MIstd1 (BC055759) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIstd1 (BC055759) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	MIstd1
Synonyms:	A230046P18, MGC67167
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC055759
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATGATCGCAGCTTTCTACAGCAACAAGTCTATCCTCATCACAGGGGCCACAGGCTTCTCGGCA
 AGGTGCTCATGGAGAAGTTATCCGTACCAGCCCCACTTGAAAAGTCATTTACATCCTCGTGAGACCCAA
 GTCTGGACAGACTGCAGGAAAGGGTTTTCCAGATCCTCAACAGTAAGCTGTTTGAGAAAAGTCAAAGAA
 GTCTGTCCAAATGTGCATGAGAAGATCAGACCCATCTCCGACAGCCTCAACCAGCGTGACTTCGCCATCA
 GCAAGGAAGACGTGCAAGAATTCTGTCTGTACCAATATTATCTTCCACTGTGCAGCCACAGTGCCTT
 TGATGCACATCTGAGAGAAGCTGTGCAGCTGAACGTCACGGCCACCCAGCAGCTCCTGCTAATGGCCAGC
 CAGATGCCAAAGCTGGAAGCCTTATCCACATCTCCACTGCCTTTTCCAAGTGAACCTGAGCCACATTG
 ATGAGGTCATCTACCCATGCCCTGTGGAGCCAAGAAAGATCATTGACTCCATGGAGTGGTTAGATGACTC
 TATCATTGAAGAGATCACTCCTAAGCTGATTGGGGACCGCCCAATACCTACACCTACACCAAAGCCTTG
 GGAGAGATAGTAGTGCAGCAAGAGAGCGGAAACCTGAATGTGGCCATTGTGAGCCATCCATAGTGGGAG
 CAACCTGGCAGGAGCCTTCCCGGGTTGGGTTGATAATCTAAATGGACCCAGCGGACTCATTATTGCGAC
 TGGGAAAGGATTTCTTCGGTCCATAAAAGCGACTCCCATGGCAGTGGCAGATGTGATTCCAGTTGACACA
 GTTGTTAATCTCACCATAGCAGTAGGATGGTATACTGCAGTTCATAGGCCTAAATCAACATTAATCTACC
 ATTCCACATCTGGTAATCTCAATCCCTGTAAGTGGTATAAAATGGGATTACAGGTCTTGGCGACCATCGA
 AAAGATCCCATTTGAGAGTGCTTTCAGAAGGCCAAATGCTGACTTCACCACCAGCAATTCACCACCCAT
 TATTGGAACACCGTCAGCCACCGGGTCCAGCCATCATCTATGACTTCTATCTGAGGCTTACTGGAAGGA
 AACCCAGAATGCTGAAGCTCATGAACCGGCTGCTAAAAACCATTTCCATGCTGGAGTATTCATCAACCA
 CAGTTGGGAATGGAGCACAAACAACACGGAGATGCTTCTGTGAGAGCTCAGTCCTGAAGACCAGAGAGTA
 TTCAACTTTGATGTGCGTCAGTTGAACTGGCTCGAATACATTGAAAATTACGTTTTGGGGTTAAGAAAT
 ATCTACTAAAAGAGGATCTGGCCGGTATCCCCAAAGCAAAGCAACACCTAAGAAGGCTCCGGAACATTCA
 CTACCTCTTAACTGCCCTGTTTCTTATCATCTGGCGCTCCTCATTGCAAGGCTCAGATGGCTCGG
 AACGTCTGGTTCTTATTGTAAGCTTCTGTTACAAGTTTCTCTACTTTTGGGCTCCAGCACACTCA
 AGGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC055759

Insert Size: 1548 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).

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: [BC055759](#), [AAH55759](#)

RefSeq Size: 2626 bp

RefSeq ORF: 1547 bp

Locus ID: 330450

Cytogenetics: 6 G3

Gene Summary: Catalyzes the reduction of saturated but not unsaturated C16 or C18 fatty acyl-CoA to fatty alcohols. A lower activity can be observed with shorter fatty acyl-CoA substrates (PubMed:15220348). It may play a role in the production of ether lipids/plasmalogens and wax monoesters which synthesis requires fatty alcohols as substrates (By similarity). [UniProtKB/Swiss-Prot Function]