

Product datasheet for **MC221943**

Mogs (NM_020619) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mogs (NM_020619) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mogs
Synonyms:	1810017N02Rik; AI181835; Gcs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221943 representing NM_020619
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCGGGCGAGAGGCGACGGCGCGCTGCGGCCGAGAGGGGCGCGCCGCTGGAGAGGGCGCGGG
 CGGCGGGCCGGCGGATGGCAGGGCTGGTGGGGCGCGGGCTCGGCGAGCGGCGCGCCCTGGCCGTGGT
 GGTGTTGGCGCTGGCCTTCGGCCTGTGGGGCGCTGGGTGCTGGCGTGGCTCCGTGTGCGCCGCGCGCTC
 AACTGCACCCCGCGCCGTCTGCGCTGCCGCCGACTCCTCCAGTCTGCGGTGGCCCGGAACCTTTCT
 GGGGCACCTACCGCCACACGTCTATTTTCGGCATGAAGACTCGCAGCCCCAAACCACTGCTCACAGGACT
 GATGTGGGCACAGCAAGGCGCCACCCCGGGGACCCTCCTAAGCTCAGGCACACGTGTGAACAGGGAGAC
 GGCGTGGTCCCTATGGCTGGGAGTTCACGATGGCCGACCTTCGGTCGGCAGCATATCCACGATGGGG
 CCTTAAGGCTCACCACTGAGTTCGTCAAGAGCCCTGGGGTTCAGCACGGAGGGGATTGGAGCTGGAGAGT
 GACCGTAGAGCCTCAGGCCTCAGGTACACCTTCCTTCCCTTTGGTGTCCCTGTTCTTCTAGTGGTGACA
 GATGGGCAAGAGGTCTACTACCAGAGATCGGAGCCAAAGGACAGTTGAAGTCCATCAGTGGGCACACCA
 GTGAACCTTGGTGACTTCCGCCTCACACTTCTGCCGCCAACAGTCCAGGAGACACTGTCCCTAAGCATGG
 CAGCTACAATGTCTTCTGGTCTCCAACCCGGGCTGCCACAGCTCACAGATATGGTAAAGAGCCGCTA
 AACAGCTGGTTTCAGCACCGGCCCCAGGAGCCTCTCCTGACCGTACCTCGGCTTGCTGGATCTCTGA
 AGTGGGAGGAGAGAGGCCCTAGTGGGCAAGGGCAATTCTTGATCCAGCAGGTGACACTGAAAGCCCTTT
 CTCTGTGGAGTTTGTGTTGAATCTGGCAGTGGGCAACAGGAGGAAACCAAGCCTCTGGGCGGCTGGTA
 GGCAGCCAACCTGACCCAGGCCCTGGAGAGCCATGCTGCAGCCTCAAGGAACGGTTTGAGAAGACCTTCC
 AGCTAAAGGAGAAGGGCTTGAGTCCCAGGAACAGGCTTTGGGTGAGTTGCCCTCAGTGGCCTTCTTGG
 TGGGATTGGTTACTTCTATGGACAGGGTTTAGTGTGGCAGACACTAGCATGGAAGGGTCTGAACAGAAA
 ATGGACCTGCCCTGTTTCCACCTGTCCCTCTTTCTCTGGGGTGCCTTCTAGGTCATTCTTCCCACGAG
 GCTTCTCTGGGATGAAGGCTTTCACCAGCTAGTGGTCCAGCGATGGGATCCCCACCTCACCCGGGAGGC
 CCTAGGACACTGGCTGGGCTGCTCAATGCTGACGGCTGGATTGGGCGAGAGCAGATTCTGGGGATGAG
 GCCAGAGCCCGAGTGCCCCAGAATTCTAGTGAACGGGCGAGCCATGCCAACCCCCCAACCTGCTCC
 TGCCAGTCGTACACATGCTAGAAGGCCATGACCCTGATGATTTGGCCTTCTCCGCAAGGCTTCCCCCG
 CCTGCATGCTGGTTCTTGGCTCCATCAAAGTCAGGCAGGGCCAGTGCCTACTACCTACCGCTGGCGG
 GGCAGGGACCTAGCTTTGCTACCTACTTAACCCCAAGACGCTGCCCTCAGGCCTGGATGACTACCCTA
 GGCCTCGCATCCTTCCACAGCAGAGCGGCACCTGGACCTGCGCTGCTGGGTGGCACTGGGTGCCCGGT
 GCTGTCCCAGCTTGCAGAACAGCTTGGGAGACTGAAGCTGCTGCAGAGCTGGGCCATTGGCTGCCTCT
 CTAGAAGAACCTGGAAGTCTTGATGAGCTGCACTGGGCTCCTGAGCTGGGGTCTTTGCTGACTTTGGGA
 ACCACACAAAAGCAGTACAGCTCAAGTCGAGGCCCCACAGGGGCTGGTTAGGGTGGTAGGCAGGCCTCC
 ACCTCGATTACAGTATGTGGATGCCCTGGGCTATGTCTCTCTTTTCTTTGCTACTACAGCTGTGGAC
 CCCAGCTACCCCGCTTAGGACCCTGCTAGACGTTCTAGCTGATAGTCGCCATCTCTGGAGCCCTTTG
 GGTTGCGCTCTTTTTCAGCCTCTAGCCTCTTTTATAAACAGCGTAACACTGAGCAGATCCACCTACTG
 GCGAGGTGCCGTGGCTGAATATTAACACTACCTAGCTTTGGGGCACTACATCACTATGGGCATGTGGAG
 GGTCTCACAAAGGTTAGGCTGCCAAACTCTACCATGAACTGCGGGCCAATGTAGTGAGAAACGTCGCC
 AGCAATACCAGGCTACCGGATTTCTGTGGAGCAGTACAGTGACCAGGATGGGCGGGCATGGGCTGCCG
 CCCCTTCAAGGATGGACCAGTCTGTCTTACTGATCATGGTGAAGAGTACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020619
Insert Size: 2505 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:	<ol style="list-style-type: none">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_020619.2 , NP_065644.2
RefSeq Size:	2798 bp
RefSeq ORF:	2505 bp
Locus ID:	57377
UniProt ID:	Q80UM7
Cytogenetics:	6 C3
Gene Summary:	Cleaves the distal alpha 1,2-linked glucose residue from the Glc(3)Man(9)GlcNAc(2) oligosaccharide precursor.[UniProtKB/Swiss-Prot Function]