

Product datasheet for **MC200443**

Slc40a1 (NM_016917) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc40a1 (NM_016917) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc40a1
Synonyms:	Dusg; Fpn1; IREG1; MTP; MTP1; OI5; Pcm; Slc11a3; Slc39a1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003438 sequence for NM_016917
 GCGAGAGCAGGCTCGGGGTCTCCTGCGGCCGGTGGATCCTCCAACCCGCTCCCATAAGGCTTTGGCTTTC
 CAACTTACAGTACAGTGTAGCTAAGTTTGGAAAGAAGACAAAAAGAAGACCCCGTGACAGCTTTGCTGT
 TGTGTTTGCCTTAGTTGCTTTGGGGTCTTTCCGCATAAAGGCTGTTGTGCTTATAGTGGTGCTATCTT
 CGGTTCTCTCACTCCTGTGAACAAGCTCCCGGCAAGAGCAGCTAAAGCTACCAGCATCAGAACAACA
 CGGGGAGAACGCCTGGTGTATGACCAAGGCAAGAGATCAAACCCATCAGGAAGGATGCTGTGGATCCTT
 AGCAAACACTGACCTCAGCAAAATTCCTCCTACCTTGCCACTCTCTCCACTTGGGGGGATCGG
 ATGTGGCACTTTGCAGTGTCTGTGTTTCTGGTGAACCTATGGAAACAGCCTTCTCTTGACAGCTGTCT
 ATGGACTGGTGGTGGCAGGCTCTGTTCTGGTCTGGGAGCCATCATTGGTGACTGGTGGATAAAGATGC
 CAGACTTAAAGTGGCCAGAGCTCACTAGTGGTTCAGAATGTGTCGGTCACTCTCTGCGGAATCATCCTG
 ATGATGGTTTTCTACACAAGAATGAGCTCCTGACCATGTACCATGGATGGGTCCTTACTGTCTGTCTACA
 TCCTGATCATCACTATTGCAAACATTGCAAATTTGGCCAGTACTGCCACTGCGATCAACAACAAAGGGA
 CTGGATTGTTGTTGTGGCAGGAGAAAACAGGAGCAGATTAGCAGACATGAATGCTACCATTAGAAGGATT
 GACCAGCTAACCAACATCCTGGCCCCATGGCTGTGGCCAGATTATGACATTTGGTTCTCCAGTCATTG
 GCTGTGGTTTCATTTCCGGTTGGAATTTGGTGTCCATGTGTGGAGTACTTCTTGTCTGGAAGGTTTA
 CCAGAAGACCCCTGCTCTGGCTGTAAAAGCTGCTCTCAAGGTAGAGGAGTCAAGAACTGAAGCAGCTGACC
 TCACCTAAAGATACTGAGCCAAAACCTTTGGAGGGAACATCTAATGGGTGAGAAAAGACTCCAACATCC
 GTGAACCTGAATGTGAACAAGAGCCACCTGTGCCTCCAGATGGCAGAGCCCTTCCGCACTTTCCGAGA
 TGGATGGGTCTCCTACTATAACCAAGCAGTGTCTTGGCTGGCATGGGCTGGCTTTCCTCTATATGACA
 GTCCTGGGCTTTGACTGTATCACTACAGGTTACGCTACACTCAGGGGCTGAGTGGATCCATCCTTAGTA
 TTTTGTGGGAGCATCAGCAATAACTGGAATAATGGGAACTGTGGCTTACCTGGCTACGTCGAAAATG
 TGGCCTTGTTCGACTGGTCTATTCTCAGGACTAGCCAGCTTTCCTGTTAATCTTGTGTGTGATCTCC
 GTATTCATGCCTGGAAGCCCTTGGACCTGTCTGTTTCTCCATTTGAAGATATCCGTTCTAGGTTTGTGA
 ATGTGGAGCCAGTGTCCCAACTACCAAAATACCTGAGACCGTCTTTACAACAGAAATGCATATGTCCAA
 CATGTCTAATGTCCATGAGATGAGTACTAAACCCATCCCATAGTCTCTGTGACGCTGCTGTTTGCAGGA
 GTCATTGTGCTAGAATCGGTCTTTGGTCTTTGATTTGACGGTGACACAGTTGTGCAAGAAAATGTAA
 TTGAATCTGAAAGAGGCATTATCAATGGTGTGCAGAACTCCATGAACCTTCTTGACCTTCTGCATTT
 CATCATGGTCATCTTGGCCCCAATCCTGAAGCTTTTGGCTTGTGGTATTGATTTCACTCTCCTTTGTG
 GCAATGGGACATCTTATGATTTCCGATTTGCCAGAAGACTCTGGGCAACCAGATTTTTGTTTGTGGTC
 CTGATGAAAAAGAAGTTACAGATGAAAAACAACCGAATACATCTGTTGTATAAAAAATAGTTTAGCTGTGG
 CCCCTGTTACTAGATTGTGGAGAGCATGTGTGCTTATTTGTACTGCAGAATCCCAATAAATGCCTGCAT
 TTCTCTCTGGTTTTACCACCTCTGTGCCTTAAGGGCTAGGAGCACTAACTAACCATCGCCAGCAAAGATG
 GTATTTCTCCTTACATGTAACATGGGAAAATAGGAAGAGGGAGAGGCAGTCAGCGTGTGTATAGAAA
 GGCTTAATGGTAAAATGAACTTCCCTTACTCTTATAAGTATATTAATTTTGAAGAGTGGTTGTCAAGGTG
 AGTAAAATTTATCCTTAGCAGATATTTATTATCTACTAGAATAATAAATCAATTCACCCTAAAACCTCACT
 CTTGTAAGAGTCTGCCCACTTCCCTTTTAAAGATCAGTGATATTTTCTCAGTTACATTACAGAAAACA
 GGAATTTATTGTATGTGGAGGATGAAATGTGTAAGTACTAGACTTGTCCAAAAGGTTTCAATGAAATGACTTTG
 CATTTTGACCATCAGAAAGGGCAAAATATTACAGTAATGTGTATGGTGGCTTTCATAAAAATGACTTTG
 CAAAATCTGCAGAAAGAAGAAAAGTTGTAGGTTTCTAGTGTGGTACAGAAGGACTTAAGGCTTGTATTAT
 GTGTGATTGTAGAACTGGAAGCTAAGGGTGGAGACCTCATGTAACCAGAGTCACTGTATCAGCCATCA
 CTATCTATCTTGGTAAATGAGAGAGCTGACCTGGCACCTTACAGGCAGAAAAGCGGCCACACTAAGAAA
 GGACTGCAAAATCAGTGAGTCTGTATAGAACATTTTACCTTCACTGACTTGGGCCGATGTGTTTGTATCT
 CTGTGTTTTTCTAGAGCAACAATAGTCACAAAAGTTCCCTTTCAATATCCCTGAGAAGAATAAAGAAA
 AACTGTTTGTAAATATTTTTTAAAAGTCTGCAAGTCTTTTGTAAACATGCAGTACCAACATGGGAC
 ATTGCCTTAACTTTTGTGCACTTTCATGGAGACTGACTGCCATGCATTGCTGTGAGCACTTTCTTTGTC
 GTTCAGTTAATCTTTTCTTCCCTTTATTACAGTATGACATAATGATCTACTATGTTGTCAAAGCTTC
 ATAAAATATTTCTATATAAAATGTTTGTAGAATCTTCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_016917

Insert Size:	1713 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:	BC003438 , AAH03438
RefSeq Size:	3273 bp
RefSeq ORF:	1713 bp
Locus ID:	53945
UniProt ID:	Q9JHI9
Cytogenetics:	1 C1.1
Gene Summary:	May be involved in iron export from duodenal epithelial cell and also in transfer of iron between maternal and fetal circulation. Mediates iron efflux in the presence of a ferroxidase (hephaestin and/or ceruloplasmin).[UniProtKB/Swiss-Prot Function]