

Product datasheet for **MC203289**

Slc46a1 (NM_026740) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc46a1 (NM_026740) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc46a1
Synonyms:	1110002C08Rik; D11Ert18e; HCP1; Pcft
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057976
 GCACAGACTGGTCCAGGCCTCCCGCAGCTGGTTCGAGGTGCTAGCCCCTCCGTGTTTGCGCATGGAGGG
 GCGCGTGAGCTCCGTGGGCTCGCCCCACAGTTTCTCAACGCTCCCGTGCTTTTCCGCGGCCCGGTGGAG
 CCCCTAGTCTTCTGGCCAACTTTGCCCTGGTTCTGCAGGGACCCTCACCACACAGTACCTTTGGCACC
 GGTTACAGCAGGAGCTCGGCTACAATGGCACCCGCCACCGGAGAAGTGTGGAAACAAAGCGGGATCC
 CCTCATGAAGGAAGTGGAGACCTGACATCTCACTGGACCCTCATATGAACGTGGGAGGCTTCCCTGGTG
 GGACTCTTGGTCCACCCTGCTGGGAGCCTGGAGTGACCGCGTGGGTGCGCGCCATTGCTGGTGGTGG
 CCTCTCTTGGTCTGCTGCCAGGCCGTGGTGTCCATCTTTGGTGGCAGCTAGAACTGCACGTCCGGTT
 CTTCTGTGCTTGGCCGAGCTCTTTGTGCCCTTCTGGGAGACTTCAACGGCCTCCTTGTGCTAGCTTTGCC
 TCTGTGGCAGATGTTAGCTCTAACCACAGTGCACCTTCCGGATGGCTCTGCTGGAAGCATGCATTGGTG
 TGGCCGGGACCCTGGCAAGCCTTCTCGGGGTCAGTGGCTCCGGGCCAGGGTTATGCCAACCCCTTCTG
 GCTGGCTTTGGCCCTGCTGATTGTATGGCTCTATACGCAGATTTTGTGGTGGAGACGGTGAAGGAG
 CCAAAGTCCACCAGGCTTTTACGCTCCGCCATCATCGATCCATTGCCCGGCTATATGTGGTTCCAGCCC
 CAGAAAAGTCCAGGATGCATCTAGCCCTGTACTCTTTGGCCATATTCGTGGTGGTACTGTGCATTTTGG
 GGCTCAAGATATCCTGACACTCTATGAGCTGAGCGCACCCCTCTGCTGGGACTCCAAGCTGATTGGCTAT
 GGCTCAGCAGCCAGCACCTACCCTACCTCACCAGCCTGCTGGGCCTAAGGCTTCTGCAATTCTGCCTGG
 CTGACACCTGGGTGGCTGAGATTGGCTGGCTTCAACATCCTGGGAATGGTGGTCTTTCGCTTGTGCTAC
 CATTACACCCCTCATGTTACAGGGTACGGATTGCTCTTCTGTGATTGGTCAACGCCTGTATCCGG
 GCCAAGCTTTCCAAGCTGGTGGAGCGAGTCCGAGCAGGGTCTCTGTTCTCTGCTGTGGCCTGTGTGAATA
 GCTTGGCCATGTTGATGGCCTCCGGCATCTTCAACTCCATCTACCCGGCCACTCTGAACTTCAAGAGGG
 CTTCCCTTCTCCTGGGAGCTGGCCTCCTCTTCACTCCAGCCATTCTGATTGGGGTACTGGAAAAGGTT
 AATCCACACCCGGAGTTCAGCAGTTTCTCAGAGCCCTGATCTGCCCGAAGCCATGAGGAGCAATGGA
 CCCACACTGACGATGTATGCCTAAAGCCAGCACACCAGCCACCTCGGAATCCGTCCTTGACCACAGTCT
 ATCCACCCCTTGACCTCAGCCTTGGCAGTACTCACTCTGGAAGGGAGTTCAAGCCAGTTATGAGCAACAC
 CTAATCTCTGACTGAGCCAATCTCTGCTAGATACAGAATCTAATCAGGAGAGGTCCACTTTAGGGCAGGC
 TGCAAGGAGCCATTTGTGGCAAGGGTTTCTTCCCCCCCCCCCCATGCTATTCATCACTCAGAACCTTCT
 AGAGTGAAGGAGATGGCATTTCAGGGACCAAGCGTGAGACCGACCTCTCCTTCTAGCCCATGGTACTAGG
 TCTCTGCTGTGTTCAAGTGGCTTCCAGGCGATGAAGCTCTGCTATGGTTGGGAAGCCGCTTGGACCACA
 GTCTACCCACCCCTGACCTCAGCCTTGGCAATTGTCACAGTAAATGTTTGAATCAGTCTGAAAAGTTAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026740

Insert Size: 1380 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: [BC057976](#), [AAH57976](#)

RefSeq Size: 1973 bp

RefSeq ORF: 1380 bp

Locus ID: 52466

UniProt ID: [Q6PEM8](#)

Cytogenetics: 11 46.74 cM

Gene Summary: Has been shown to act both as an intestinal proton-coupled high-affinity folate transporter and as an intestinal heme transporter which mediates heme uptake from the gut lumen into duodenal epithelial cells. The iron is then released from heme and may be transported into the bloodstream. Dietary heme iron is an important nutritional source of iron. Shows a higher affinity for folate than heme.[UniProtKB/Swiss-Prot Function]