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Product datasheet for MC219792

Slc7a1 (NM_007513) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a1 (NM_007513) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a1
Synonyms:	4831426K01Rik; AI447493; Atrc-1; Atrc1; Cat1; mCAT-1; Rec-1; Rev-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219792 representing NM_007513
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGCAAAAACCTGCTCGGTCTGGGCCAGCAGATGCTGCGCCGGAAGGTGGTGGACTGCAGCCGGG
AGGAGAGCCGGCTGTCCCGCTGCCTCAACACCTATGACCTGGTAGCTCTTGGGGTGGGCAGCACCTTGGG
CGCTGGTGTCTATGTCCTAGCCGGTGCCGTGGCCCGTGAAAATGCTGGCCCTGCCATCGTCATCTCCTTC
TTGATTGCTGCTCTCGCCTCCGTGCTGGCCGGCCTGTGCTACGGCGAGTTTGGTGCCCGTGTCCCCAAGA
CGGGCTCAGCCTACCTCTACAGCTACGTGACGGTGGGGGAGCTTTGGGCCTTCATCACTGGCTGGAACCT
GATTCTCTCCTACATCATCGGTACTTCAAGCGTGGCAAGAGCCTGGAGTGCGACTTTTGACGAGCTGATA
GGCAAGCCCATCGGAGAGTTCTCACGTCAGCACATGGCCCTGAATGCTCCTGGGGTGCTGGCCCAAACCC
CGGACATATTTGCTGTGATTATAATTATCATCTTAACAGGACTGTTAACTCTTGGCGTGAAGGAGTCAGC
CATGGTCAACAAAATTTTCACCTGTATCAATGTCCTGGTCTTGTGCTTCATCGTGGTGTCCGGGTTCGTG
AAAGGCTCCATTAAAAACTGGCAGCTCACGGAGAAAAATTTCTCCTGTAACAACAACGACACAAACGTGA
AATACGGTGAGGGAGGGTTTATGCCCTTTGGATTCTCTGGTGTCCTGTCAGGGGCAGCGACCTGCTTTTA
TGCCTTCGTGGGCTTTGACTGCATCGCCACCACAGGGGAAGAAGTCAAGAACCCCCAGAAGGCCATTCCT
GTGGGCATCGTGGCGTCCCTCCTCATTTGCTTCATAGCGTACTTTGGCGTGTCCGCCGCTCTCACGCTCA
TGATGCCTTACTTCTGCCTGGACATCGACAGCCCGCTGCCTGGTGCCTTCAAGCACCAGGGCTGGGAAGA
AGCTAAGTACGCAGTGGCCATTGGCTCTCTCTGCGCACTTTCCACCAGTCTCCTAGGCTCCATGTTTCCC
ATGCCCCGAGTTATCTATGCCATGGCTGAAGATGGACTACTGTTTAAATTTTTGGCCAAAATCAACAATA
GGACCAAAACACCCGTAATCGCCACTGTGACCTCAGGCGCCATTGCTGCTGTGATGGCCTTCCTCTTTGA
ACTGAAGGACCTGGTGGACCTCATGTCCATTGGCACTCTCCTGGCTTACTCTTTGGTGGCTGCCTGTGTT
TTGGTCTTACGGTACCAGCCAGAACAACCTAATCTGGTATACCAGATGGCCAGAACCACCGAGGAGCTAG
ATCGAGTAGATCAGAATGAGCTGGTCAGTGCCAGTGAATCACAGACAGGCTTTTTACCGGTAGCCGAGAA
GTTTTCTCTGAAATCCATCCTCTCACCCAAGAACGTGGAGCCCTCCAAATTCTCAGGGCTAATTGTGAAC
ATTTCAGCCGGCCTCCTAGCCGCTCTTATCATCACCGTGTGCATTGTGGCCGTGCTTGGAAGAGAGGCCC
TGGCCGAAGGGACACTGTGGGCAGTCTTTGTAATGACAGGGTCAGTCCTCCTCTGCATGCTGGTGACAGG
CATCATCTGGAGACAGCCTGAGAGCAAGACCAAGCTCTCATTTAAGGTACCCTTTGTCCCCGTACTTCCT
GTCTTGAGCATCTTCGTGAACATCTATCTCATGATGCAGCTGGACCAGGGCACGTGGGTCCGGTTTGCAG
TGTGGATGCTGATAGGTTTCACCATCTATTTCGGTTATGGGATCTGGCACAGTGAGGAAGCGTCCCTGGC
TGCTGGCCAGGCAAAGACTCCTGACAGCAACTTGGACCAGTGCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007513

Insert Size: 1869 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC145779, AAI45780
RefSeq Size:	2568 bp
RefSeq ORF:	1869 bp
Locus ID:	11987
UniProt ID:	Q09143
Cytogenetics:	5 88.48 cM
Gene Summary:	High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) and variant 2 encode the same protein.