

Product datasheet for **MC204722**

Slc7a3 (NM_007515) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a3 (NM_007515) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a3
Synonyms:	Atr; Atrc3; Cat; CAT-3; CAT3; SLC; SLC7A1; SLC7A2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050195
 GCCCAACCAACTCGACTGAAGTCGGCCTCACTGAACCGGATCTGAGAATCTTCTCTCTCTGGGCTTGCC
 AGGGCTCTCCGAACCTAGCTAGCATCCTCTTCAATTCCAAGTGAATGCTGTGGCAGGCACCTTCGAAGAT
 TTGGTCAAAGCTGGTGCGGAGACGTGTGTTGGAGCTGGGTATGGGTGAGACCCGCTTGCCAGATGCCT
 GAGCACCTCGACTTAGTGGCTCTGGGTGTGGGCAGCACATTAGGTGCAGGTGTGTATGTCCTGGCTGGA
 GAGGTGGCCAAAGATAAAGCAGGACCATCCATTGTGATCTGCTTTTTGGTGGCTGCTCTGCCTCTGTGT
 TGGCTGGACTGTGTTATGCTGAATTTGGTGGCCGGTCCCGGCTCTGGTCTGCATATCTCAGAGTTA
 TGTCAACGTAGGTGAACCTGGGCTTACCACCGGCTGGAATCTCATTCTCCTACGTATTGGTACA
 GCCAGTGTGGCCGGCTTGGAGCTCTGCTTTGACAACCTGATTGAAAACACATCTCTCGGACTCTGA
 AGGGGACCATCTTCTGAAGATGCCTCATGTTCTTGCAGAATATCCAGATTTCTTTGCCCTTGGCCCTTGT
 GTTGTGCTCACTGGATTGCTGGTTTTAGGGGCAAGTAAATCAGCCCTGGTTACCAAAGTGTTCACAGGG
 ATGAACCTTTTGGTTCTCAGCTTGTGCATCATCTCTGGCTTCATTAAGGGAGAAGTGAAGAACTGGAAGC
 TCAGAAAGAGGACTATTGCTTGACCATGAGTGAATCCAACGGCCTGTAGCTTGGACTCTATGGGCTC
 TGGAGTTTCATGCCTTTTGGCTTGAAGGGATTCTCCGTGGCGTCTACCTGTTTCTATGCCTTCGTT
 GGTTTTACTGTATTGCAACACCGGAGAAGAGGCTCAGAATCCCCAGCGCTCCATCCCCATGGGTATTG
 TGATCTCGATGTTTCATCTGCTTTTTGGCTTACTTTGGTGTGTCTCAGCACTTACCTCATGATGCCTTA
 CTAACAAGCTTATCCTGAGAGCCCTCTGCCTGAAGCATTTTCTATGTTGGCTGGGAGCCTGCCCGTAC
 TTGGTGGCTATTGGCTCCCTCTGTGCATTTTACTAGCCTTTTGGGCTCTATGTTTCTATGCCTCGGG
 TGATGTATTCAATGGCAGAAGATGGCCTCCTGTCCGTGCTTGGTAAGGTTACAGGTGCACACATAT
 ACCCATTTGGCCACCTTGGTATCTGGTGTATTGCAGCATTTCATGGCATTCTCTTTGAACTCACTGAC
 CTCGTGGACCTCATGTCAATCGGACTCTGCTTGTCACTCCCTGGTGTCCATTTGTGTTCTCATCCTCA
 GATATCAGCCTGATCAGGAAATGAAGAGTGTGAAGAGGAAATGGAATTGCAAGAGGAGACACTTGAAGC
 AGAGAAGCTGACTGCCAGGCTCTATTTTGTCTGTCACTCCATCCCCACACTCTTTTGGCCGAGTT
 GTCATGTTTGGCTCCTCACTGCTTGGCGTACTACTAACTGTTCTTTGCCTGGTGTGACCTGGTGGACAA
 CTCACCTTCGTTCTGGAGACCCAGTGTGGTGCACAGTGGTGTGCTGATCCTGGGCTCATTCTTGAAT
 TTCTGGGGTCACTGGAGACAGCCACAGAACCGCACTCCCTTCACTTTAAGGTGCCTGTGTTCTCTA
 CTCCCCTGGTGGAGCATCTTTGTGAATGTTTACCTGATGATGCAAATGACAGCTGGCACTTGGGCCCGAT
 TTGGGATCTGGATGCTGATTGGATTTGCTATCTACTTTGGCTATGGGATCCAACACAGTATGAAAGAAGT
 TAAGAATCATCAAATCTACCCAAAACAAGGGCCCAAATATAGACCTTGATCTCACAATCTCTGTGTT
 CACAGCATTTGACCTAACCATACCTAATTGTTGTCTTGTCTCCTATAACAATAATGGAGAGTACTTTGA
 CCCACGAAGAGCTGGGCTCTCATGTGGTGTAGTGACGGATATGAAATAATGCTCTGATTTCTTGTG
 AAATGATGGCTATGCTTTGCTGTTTCTCATTTGTTTTAACTTGTATACTTTGAAATAGTCTCTGTAGT
 TGTTTCTGGCTTTGAAAAAATGTTATTAAGGAAAATTGTAAAAAATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_007515

Insert Size: 1857 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: [BC050195](#), [AAH50195](#)

RefSeq Size: 2231 bp

RefSeq ORF: 1857 bp

Locus ID: 11989

UniProt ID: [P70423](#)

Cytogenetics: X C3- D

Gene Summary: The protein encoded by this gene is a member of the system y+ cationic amino acid transporter family. Proteins of this family allow uptake of arginine from extracellular media. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.