

Product datasheet for **SC125756**

SLC7A3 (NM_032803) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC7A3 (NM_032803) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC7A3
Synonyms:	ATRC3; CAT-3; CAT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_032803 edited
GCCTGAGCGGCCGAACCTCGGCAGCTCCAACCAACTCGGCTTAACTCCGCCTCACCGAGC
CCAGTCCAAGACTCTGTGCTCCCTAGGTTTGCAACAGCTCTCTGATCATCTTCTTCAATT
CCTGCTAGGATGCCGTGGCAAGCATTTCGCAGATTTGGTCAAAGCTGGTACGCAGACGT
ACACTGGAGTCAGGCATGGCTGAGACTCGCCTTGCCAGATGCCTAAGCACCTGGATTTA
GTGGCCCTGGGTGTGGGCAGCACATTGGGTGCAGGCGTGTATGTCCTAGCTGGCGAGGTG
GCCAAAGATAAAGCAGGGCCATCCATTGTGATCTGCTTTTTGGTGGCTGCCCTGTCTTCT
GTGTTGGCTGGGCTGTGCTATGCGGAGTTTGGTGCCCGGTTCCCGTTCGTGTTTCGGCA
TATCTCTACAGCTATGTCACTGTGGGTGAACTCTGGGCCTTACCAGTGGCTGGAACCTC
ATCCTCTCCTATGTCATTGGTACAGCCAGTGTGGCCCGGGCTGGAGCTCTGCTTTTGAC
AACCTGATTGGGAACCACATCTCTAAGACTCTGCAGGGTCCATTGCACTGCACGTGCC
CATGTCCTTGCAATATCCAGATTTCTTGTCTTGGCCTCGTGTGCTCACTGGA
TTGTTGGCTCTCGGGCTAGTGAGTCGGCCCTGGTTACCAGAGTGTTCACAGGCGTGAAC
CTTTTGGTCTTGGGTTCTGTCATGATCTCTGGCTCGTTAAGGGGGACGTGCACAACCTGG
AAGCTCACAGAAGAGGACTACGAATTGGCCATGGCTGAACTCAATGACACCTATAGCTTG
GGTCTCTGGGCTCTGGAGGATTTGTGCCTTTCGGCTTCGAGGGAATTCCTCGTGGAGCA
GCGACCTGTTTCTATGCATTTGTTGGTTTCGACTGTATTGCTACCACTGGAGAAGAGCC
CAGAATCCCAGCGTTCATCCCAGTGGCATTGTGATCTCACTGTCTGTCTGCTTTTTG
GCGTATTTTGTGCTCTCTTCTGCACTCACCTGATGATGCCTTACTACCAGTTCAGCCT
GAGAGCCCTTTGCCTGAGGCATTTCTCTACATTGGATGGGCTCCTGCCCGCTATGTTGTG
GCTGTTGGCTCCCTCTGTGCTCTTCTACCAGCCTCCTGGGCTCCATGTTCCCATGCCT
CGGGTGATCTACCGGATGGCAGAGGATGGCCTCCTGTTCCGTGTACTTGTCTGGATCCAC
ACCGGCACAGCACCCCAATCATAGCCACCGTGGTCTCTGGCATTATTGCAGCATTATCG
GCATTCTCTTCAAACCTCACTGATCTTGTGGACCTCATGTCAATTGGGACCTGCTTGTCT
TACTCCCTGGTGTGATTTGTGTTCTCATCCTCAGGTATCAACCTGATCAGGAGACAAAG
ACTGGGAAGAAGTGGAGTTGCAGGAGGAGGCAATAACTACTGAATCAGAGAAGTTGACC
CTATGGGGACTATTTTTCCCACTCAACTCCATCCCCTCACTCTCTGGCCAAATTGTC
TATGTTTGTCTCATTGCTTGTGCTGCTGCTGCTCTTTGCCTGGTGTGGCCAG
TGGTCAGTTCATTGCTTCTGGAGACCTGGTGTGGACTGCAGTGGTGTGCTGCTCCTG
CTGCTCATTATTGGGATCATTGTGGTCATCTGGAGACAGCCACAGAGCTCCACTCCCTT
CACTTTAAGGTGCCTGCTTGCCTCTCCTCCCCTAATGAGCATCTTTGTGAATATTAC
CTTATGATGCAGATGACAGCTGGTACCTGGGCCGATTTGGGGTCTGGATGCTGATTGGC
TTTGCTATCTACTTCGGCTATGGGATCCAGCACAGCCTGGAAGAGATTAAGAGTAACCAA
CCCTCACGCAAGTCTAGAGCCAAAAGTGTAGACCTTGATCCCAGCACTCTCTATGTCCAC
TCAGTTTGACATCGTCACACCTAAATGCTGTCTGGTCCCCTGCACAATAATGGAGAGTAC
TCCTGACCCAGTGACAGCTAGCCCTCCCTGTGATGGTGGTGGTGGATACTAATAACAGT
TCTGTACGATGTGAAGGATGTGCTTTGCTATTTCTTGTCTATTTAACCCGTCTGCTTC
TAAATGATGTCTAGCTGCTTACCAACTTTAAAAAATGATATTAAGAAAGTAGAAAAAT
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032803 unedited TCAGGATTTTGTATACGACTCACTATAGGCGGCCGTAATCACATCTGGTACCGGTCCG GAATTCGCCGGGATGCCTGAGCGGCCGAACCTCGGCAGCTCCAACCAACTCGGCTTAACTC CGCCTCACCGAGCCCAGTCCAAGACTCTGTGCTCCCTAGGTTTGAACAGCTCTCTGATC ATCTTCTCAATTCTGCTAGGATGCCGTGGCAAGCATTTCGCAGATTTGGTCAAAGCT GGTACGCAGACGTACACTGGAGTCAGGCATGGCTGAGACTCGCCTTGCCAGATGCCTAAG CACCCTGGATTTAGTGGCCCTGGGTGTGGGCAGCACATTGGGTGCAGGCGTGTATGTCCT ATCTGGCGAGGTGGCCAAAGATAAAGCAGGGCCATCCATTGTGATCTGCTTTTTGGTGGC TGCCCTGTCTTCTGTGTTGGCTGGGCTGTGCTATGCGGAGTTTGGTGCCCGGGTTCCCCG TTCTGGTTCGGCATATCTCTACAGCTATGCTACTGTGGGTGAACTCTGGGCCTTACCAC TGGCTGGAACCTCATCTCTCTATGTCATTGGTACAGCCAGTGTGGCCCGGCCCTGGAG CTCTGCTTTTGACCACCTGATTGGGAACCATCTCTAAGACTCTGCAGGGGTCCATTGC ACTGCACGTGCCCATGCTCTTGCAGAATATCCAGATTTCTTTGCTTTGGCCTCGTGTT GCTGCTACTGGATTGGTGGCTCTCGGGCTAGTGAATCCGCCCTGGTTACCAGAGTGTT CCAGGGCGTGACCTTTTTGGTTCTTGGGTTCGTATGATCCTCTGCCTTCCTTAAGGGGG ACGTGCACCACTGGAAGCTCACAAAGAGGACTACGAAATTGGCATGGCTGAACCTCAATG ACCCCATNNGCTGGGGTCCCCTGGGCTCATGNAGGATTTGTGCTTTT
Restriction Sites:	Please inquire
ACCN:	NM_032803
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_032803.3 , NP_116192.3
RefSeq Size:	2280 bp
RefSeq ORF:	1860 bp
Locus ID:	84889
UniProt ID:	Q8WY07
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

This gene encodes a member of the solute carrier family 7. The encoded protein is a sodium-independent cationic amino acid transporter. Alternate splicing results in multiple transcripts that encoded the same protein.[provided by RefSeq, May 2010]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.