

Product datasheet for **SC321735**

SLC7A3 (NM_001048164) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC7A3 (NM_001048164) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC7A3
Synonyms:	ATRC3; CAT-3; CAT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001048164.1
 GCCTGAGCGGCCGAACCTCGGCAGCTCCAACCCAACTCGGCTTAACTCCGCTCACCAGAGC
 CCAGTCCAAGACTCTGTGCTCCCTAGGTTTGCAACAGCTCTCTGATCATCTTCTTCAATT
 CCTGCTAGGATGCCGTGGCAAGCATTTCGCAGATTTGGTCAAAGCTGGTACGCAGACGT
 ACACTGGAGTCAGGCATGGCTGAGACTCGCCTTGCCAGATGCCTAAGCACCTGGATTTA
 GTGGCCCTGGGTGTGGGCAGCACATTGGGTGCAGGCGTGTATGTCCTAGCTGGCGAGGTG
 GCCAAAGATAAAGCAGGGCCATCCATTGTGATCTGCTTTTTGGTGGCTGCCCTGTCTTCT
 GTGTTGGCTGGGCTGTGCTATGCGGAGTTTGGTGCCCGGGTCCCGTTCGTGTTTCGGCA
 TATCTCTACAGCTATGTCACTGTGGGTGAACTCTGGGCCTTACCAGTGGCTGGAACCTC
 ATCCTCTCCTATGTCATTGGTACAGCCAGTGTGGCCCGGGCTGGAGCTGTCTTTTGAC
 AACCTGATTGGGAACCACATCTCTAAGACTCTGCAGGGTCCATTGCACTGCACGTGCC
 CATGTCCTTGAGAATATCCAGATTTCTTGTCTTGGCCTCGTGTGCTCACTGGA
 TTGTTGGCTCTCGGGCTAGTGAGTCGGCCCTGGTTACCAGAGTGTTCACAGGCGTGAAC
 CTTTTGGTCTTGGGTTCTGTCATGATCTCTGGCTCGTTAAGGGGACGTGCACAACCTGG
 AAGCTCACAGAAGAGGACTACGAATTGGCCATGGCTGAACTCAATGACACCTATAGCTTG
 GGTCTCTGGGCTCTGGAGGATTTGTGCCTTCGGCTTCGAGGGAATTCCTCGTGGAGCA
 GCGACCTGTTTCTATGCATTTGTTGGTTTCGACTGTATTGCTACCACTGGAGAAGAGCC
 CAGAATCCCAGCGTTCATCCCGATGGGCATTGTGATCTCACTGTCTGTCTGTTTTTG
 GCGTATTTTGTGCTCTCTTCTGCACTCACCTGATGATGCCTTACTACCAGTTCAGCCT
 GAGAGCCCTTTGCCTGAGGCATTTCTCTACATTGGATGGGCTCCTGCCCGCTATGTTGTG
 GCTGTTGGCTCCCTCTGTGCTTTTCTACCAGCCTCCTGGGCTCCATGTTCCCATGCCT
 CGGGTGATCTACCGGATGGCAGAGGATGGCCTCCTGTTCCGTGTAATTGCTCGGATCCAC
 ACCGGCACACGCACCCCAATCATAGCCACCGTGGTCTCTGGCATTATTGCAGCATTATCAG
 GCATTCTCTTCAAACCTCACTGATCTTGTGGACCTCATGTCAATTGGGACCTGCTTGTCT
 TACTCCCTGGTGTGCGATTTGTGTTCTCATCCTCAGGTATCAACCTGATCAGGAGACAAAG
 ACTGGGAAGAAGTGGAGTTGCAGGAGGAGGCAATAACTACTGAATCAGAGAAGTTGACC
 CTATGGGGACTATTTTTCCCACTCAACTCCATCCCACTCCACTCTCTGGCCAAATTGTC
 TATGTTTGTCTCATTGCTTGTGCTGCTGCTGCTCTTTGCCTGGTGTGGCCAG
 TGGTCAGTTCATTGCTTCTGGAGACCTGGTGTGGACTGCAGTGGTGTGCTGCTCCTG
 CTGCTCATTATTGGGATCATTGTGGTCATCTGGAGACAGCCACAGAGCTCCACTCCCTT
 CACTTTAAGTGCCTGCTTGCCTCCTCCCCTAATGAGCATCTTTGTGAATATTAC
 CTTATGATGCAGATGACAGCTGGTACCTGGGCCGATTTGGGGTCTGGATGCTGATTGGC
 TTTGCTATCTACTTCGGCTATGGGATCCAGCACAGCCTGGAAGAGATTAAGAGTAACCAA
 CCCTCACGCAAGTCTAGAGCCAAAACCTGTAGACCTTGATCCCGGCACTCTCTATGTCAC
 TCAGTTTGACATCGTCACACCTAAATGCTGTCTGGTCCCTGCACAATAATGGAGAGTAC
 TCCTGACCCAGTGACAGCTAGCCCTCCCTGTGATGGTGGTGGGATACTAATAACAGT
 TCTGTACGATGTGAAGGATGTGCTTTGCTATTTCTTGTCTATTTAACCCGTCTGCTTC
 TAAATGATGTCTAGCTGCTTACCAACTTAAAAAATGATATTAAGAAAGTAGAAAAAT
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_001048164
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001048164.1</u> , <u>NP_001041629.1</u>
RefSeq Size:	2285 bp
RefSeq ORF:	1860 bp
Locus ID:	84889
UniProt ID:	<u>Q8WY07</u>
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>