

Product datasheet for **SC122886**

SLC7A10 (NM_019849) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC7A10 (NM_019849) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC7A10
Synonyms:	asc-1; ASC1; HASC-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for NM_019849 edited
 GGGCCGTGAGCTCACGGACCGACGGACCGGGCCGGCCGGACAGACGGGGCAGCG
 CAGGGAGCGGGGACCGGGCGGGACAGCGACATGGCCGGCCACACGCAGCAGCCGAGCGGG
 CGCGGGAAACCCAGGCCTGCGCCCTCGCCCTCCCCAGTCCCAGGGACCGTCCCCGGCGCC
 TCGGAGCGGGTGGCGCTCAAGAAGGAGATCGGGCTGCTGAGCGCTGCACCATCATCATC
 GGAACATCATCGGCTCGGCATCTTCATCTCGCCAAGGGGGTCTGGAGCACTCAGCG
 TCCGTGGTCTGGCCCTGTTTCGTCTGGTCTGGTGGGGCGTGACGGCTCTGGGCTCC
 CTCTGCTATGCAGAGCTGGGAGTCGCCATCCCCAAGTCTGGCGGGGACTACGCCTACGTC
 ACAGAGATCTTCGGGGCCTGGCTGGCTTTCTGCTGCTCTGGAGCGCCGTCTCATCATG
 TACCCACCGACCTTGTGTGCTCATCTCCATGACCTTCTCCAACACGTGCTGCAGCCCGTG
 TTCCCCAACTGCATCCCCCACCACAGCCTCCCGGGTGTGTCATGGCCTGCCTGATG
 CTCCTGACATGGTGAACAGCTCCAGTGTGCGCTGGGCCACGCGCATCCAGGACATGTTT
 ACAGGCGGGAAGCTGCTGGCCTTGTCCTCATCATCGGCGTGGGCCTTCTCCAGATCTTC
 CAAGGACACTTCGAGGAGCTGAGGCCAGCAATGCCTTTGCTTTTGGATGACGCCCTCC
 GTGGGACACCTGGCCCTGGCCTTCTCCAGGGCTCCTTCGCCTTTCAGTGGCTGGAATTC
 CTCAACTATGTCACCGAGGAGATGGTTGACGCCGAAAGAACCTACCTCGCGCCATCTTC
 ATCTCCATCCCCTGGTACCTTCGTGTACACGTTACCAACATTGCCTACTTACCGGCC
 ATGTCCCCCAGGAGCTGCTCTCCTCAAATGCGGTGGCTGTGACCTTCGGGGAGAAGCTG
 CTGGGCTACTTTTCTGGGTGATGCCTGTCTCCGTGGCTGTCAACCTTCGGAGGGATC
 AATGGTTACCTGTTACCTACTCCAGGCTGTGCTTCTCTGGAGCCCGGAGGGGCACCTG
 CCCAGCCTGCTGGCCATGATCCACGTGACAGACTGCACCCCATCCCCGCCCTCTCGTC
 TGTTGCGGGGCCACAGCCGTATCATGCTCGTGGGCGACAGTACAGGCTCATCAACTAT
 GTGCTTCACTCAACTACCTCTGCTACGGCGTCAACATCTGGGCTGCTGCTGCTGCGC
 TGGAGGCGGCTGCACTCCACAGGCCATCAAGTGAACCTTCTATCCCCGTGGCGTAC
 TTGGTCTTCTGGCCTTCTGCTGGTCTTCAGTTCATCTCAGAGCCTATGGTCTGTGGG
 GTCGGCGTCATCATCCTTACGGGGTGCCATTTTCTTTCTGGGAGTGTCTGGAGA
 AGCAAACCAAAGTGTGTGCACAGACTCACAGAGTCCATGACACACTGGGGCCAGGAGCTG
 TGTTTCGTGGTCTACCCAGGACGCCCCGAAGAGGAGGAGAATGGCCCTGCCACCC
 TCCCTGCTGCCTGCCACAGACAAGCCCTCGAAGCCACAATGAGATTTTGTAGAGACTGA
 AGCAGTTGTTTCTGTTTACATGTTGTTTATTGAGGAGGTGTTTTGGCAAAAAAGTTTTGT
 TTTGTTTTTTCTGGAAAAAAGAAAAAGATACGACTCTCAGAAAGCCTGTTAAAGGAA
 GCCTAAATGTGGACTGGGTTTCTGTCTTAGCACTGCCTGTAGCTTCTCTGAAAA
 GGCTATAAATAAACAGGGCTGGCTGTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019849 unedited
 NNNNGTTTTGNNATTTGTAATACGACTTCATATAGCGGCCGGAATTCCTGGGATGGG
 CGTGAGCTCACGGACCGACCGGACCGGGCGGCCGGCCGGACAGACGGGGCAGCGCAGG
 GAGCGGGGACCGCGGGGACAGCGACATGGCCGGCCACACGCAGCAGCCGAGCGGGCGG
 GGAACCCAGGCCTGCGCCCTCGCCCTCCCCAGTCCCAGGGACCGTCCCCGGCGCCTCGG
 AGCGGGTGGCGCTCAAGAAGGAGATCGGGCTGCTGAGCGCTGCACCATCATCATCGGGA
 ACATCATCGGCTCGGCATCTTCATCTCGCCAGGGGGTCTGGAGCACTCAGGCTCCGT
 GGGTCTGGCCCTGTTTCGTCTGGTCTGGTGGGGCGTGACGGCTCTGGGCTCCCTCTG
 CTATGCAGAGCTGGGAGTCGCCATCCCCAAGTCTGGCGGGGACTACGCCTACGTACAGA
 GATCTTCGGGGGCTGGCTGGCTTTCTGCTGCTCTGGAGCGCCGTCTCATCATGTACCC
 CACCAGCCTTGCTGTCATCTCCATGACCTTCTCCAACACGTGCTGCAGCCCGTGTCC
 CAACTGCATCCCCCACCACAGCCTCCCGGGTGTGTCATGGCCTGCCTGATGCTCCT
 GACATGGGTGAACAGCTCCAGTGTGCGCTGGGCCACGCGCATCCAGGACATGTTACAGG
 CGGGAAGCTGCTGGCCTTGTCCTCATCATCGGCGTGGGCCTTCTNCAGATCTTCCAGGA
 CACTTCGAGGAGCTGAGGCCAGCATGNNCCTTGCTTNCAGATGACGCCCTNCGTGGG
 GACACCTGGCCCNCTGGCCTTCTNCAGGGCTNCTTCGNNCTCAGTGGCTGGGAACCTCTC
 AAC

Restriction Sites:	Please inquire
ACCN:	NM_019849
Insert Size:	1940 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:	<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_019849.1</u> , <u>NP_062823.1</u>
RefSeq Size:	1918 bp
RefSeq ORF:	1572 bp
Locus ID:	56301
UniProt ID:	<u>Q9NS82</u>
Cytogenetics:	19q13.11
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	SLC7A10, in association with 4F2HC (SLC3A2; MIM 158070), mediates high-affinity transport of D-serine and several other neutral amino acids (Nakauchi et al., 2000 [PubMed 10863037]). [supplied by OMIM, Mar 2008]