

Product datasheet for **SC319232**

SFXN2 (NM_178858) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFXN2 (NM_178858) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFXN2
Synonyms:	SLC56A2
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_178858.3
 GCGGGAGCCTCCCGGCCTGGGATTGGTCGAAAAGGAGGGGCGTGGGGCGGGCGTGGGGG
 AGTTCCCCAGCCCAGGTCCTCCTCCTCACCCGGGCCAGTTTTCAAGGCGGGCTGTAAGTGG
 TGGCATTGTCCCAGGACCAGGTCCACAGTTTTATGTGTGAGCAAGATGGAGGCTGACCT
 GTCTGGCTTTAACATCGATGCCCCCGTTGGGACCAGCGCACCTTCTGGGGAGAGTGAA
 GCACCTTCTAAACATCACGGACCCCGCACTGTCTTTGTATCTGAGCGGGAGCTGGACTG
 GGCCAAGGTGATGGTGGAGAAGAGCAGGATGGGGTTGTGCCCCAGGCACCCAAGTGGA
 GCAGCTGCTGTATGCCAAGAAGCTGTATGACTCGGCCTTCCACCCGACACTGGGGAGAA
 GATGAATGTCATCGGGCGCATGTCTTCCAGCTTCTGGCGGCATGATCATCACGGGCTT
 CATGCTCCAGTTCTACAGGACGATGCCGGCGGTGATCTTCTGGCAGTGGGTGAACCAAGTC
 CTTCAATGCCTTAGTCAACTACACCAACAGGAATGCGGCTTCCCCACATCAGTCAGGCA
 GATGGCCCTTCTACTTACAGCCACAACCACTGCTGTGGCCACGGCTGTGGGCATGAA
 CATGTTGACAAAAGAAAGCGCCGCCCTTGGTGGGCCGCTGGGTGCCCTTTCGCCGTGTGGC
 TGGCGCTAACTGTGTCATATCCCCATGATGCGACAGCAGGAGCTATAAAGGGAATCTG
 CGTGAAGGACAGGAATGAAAATGAGATTGGTCATTCCCGGAGAGCTGCGGCCATAGGCAT
 CACCCAAGTAGTTATTTCTCGGATCACCATGTCAGCTCCTGGGATGATCTTGCTGCCAGT
 CATCATGGAAAGGCTTGAGAAATTGCACTTTCATGCAGAAAGTCAAGGTCCTGCACGCCCC
 ATTGCAGGTCATGCTGAGCGGGTCTTCCCTCATCTTCATGGTGCCAGTGGCGTGTGGGCT
 TTTCCACAGAAATGTGAATTGCCAGTTTCTATCTGAAACCGAAGCTCCAAGACACTAT
 CAAGGCCAAGTATGGAGAAGTGGAGCCTTATGTCTACTTCAATAAGGGTCTCTAAATGCC
 CCATTTAGCAAGGACCAGTCTATTTCCATATTCACAGCTCCTCCTTAGCTACGTGCAC
 ACTTGTCTCCTTCCCTTTGCCAACAAGGCCTGAAGGCCAGGGTAGATTGGGGGGTG
 GGACAATGAATGCCTCATACTTACACCTGGTACTGGTTGATTGGACCTCAGGGAAAAAA
 AGTGAAAAAGGGTAGCAAGGCCAATGTCTTCTAGCTGCTTCTCAACCCCTGTCCCTG
 GAGACCAGAAGCTGAGGCCCTCTCAGGGAGGAGACATCCAAGCAATCATTTGAAAAAGT
 TAGGAAACCTTTAGGATTCTGGTTCAGCCAGGGTTGAGGAAAGGACCTTGGATCAAAAAG
 GAAGCTTCTATACCTCTTTCTTCTCGCTTCTCCTCTCCCAAGCAATGGAAACTTTTAC
 CCATGTAATTCTAGCTGAACTCAGGAAAAAGAAGGGGAAAGGACTCTGTCCCCTGGGG
 CTCATCACCTTCCACATCCTCCTCCTCGTTGCCCTGGTCAGGCAGCTTCTTTTTTTT
 TTTTTCAAGATGGAGTCTTGCTCTGTGCCCAGGCTGGAATGCAGTGGCGCGATCTCGGC
 TCACTGCAAACTCTGCCTCCTGGATTCAAGCGATTCTCCTGCCTCAGCCTCTCAAGTAGC
 TGGGATTACAGGGCACCTGCCACCACGCTGGCTAATTTTTGTATTTAGTGGAGACGGG
 GTTTCACCATGCTGGCCAGACTGGTCTCGAACTCCTGACCTCAGGTGATCCGCCCGCCTC
 AGCCTCTGAAATTGCTGGGATTACAGGCATGAGCCACCACACCCAGCCGGACAGCTTCT
 TTGGGAGTGTGCTAACCTTGAATTAACAGACACTTAGGAGTTATTAGTGTAAAAAGG
 GGACCGTGCAAGGCAGCAGAGTTACATGGTTCTTCAAATCATGTCTGAACCTATTCTTGG
 AATCTTCTATAATAAGGGAAGTTCTTACCCCACTGCCACATACCTCTGTTTTAAAA
 GATAAGTCCACTAACTGTGAGTAAAAATGATATATATAGGCATTAACCACACACTTTAAT
 GGGTATAATTTCTGGCTGCCTCCCTTCTCAGCCATTAGGTTAAACACCAAAGAAAGA
 CTGGTGTGTAAGTGAATAGGAAAGGGAAGTTTTATTTGGAACCTTCTAAGAGGAAATCAAC
 CAGGACCAAAGAGCCTTAAAGGACACACAGCAATGCACAGCCACTTCCCTTCCCCAGCTT
 GGCTGCCCTAGGTGATTTCTCAAGCTCCTTGGGGGACTGTTGTTTCTCATCTGGAATCAA
 TGTGTGTATGAGTTTTGTCTGGTAGGATTGCTGACTCTGTCCAACAGATATCACTGTGAA
 TTGAATAAATTTGTTGAAAGAGCACACAGGCACACATAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_178858

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_178858.3</u> , <u>NP_849189.1</u>
RefSeq Size:	2599 bp
RefSeq ORF:	969 bp
Locus ID:	118980
UniProt ID:	<u>Q96NB2</u>
Cytogenetics:	10q24.32
Protein Families:	Transmembrane
Gene Summary:	Mitochondrial amino-acid transporter that mediates transport of serine into mitochondria. [UniProtKB/Swiss-Prot Function]