

## Product datasheet for **SC321926**

### SFXN4 (NM\_213649) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFXN4 (NM_213649) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFXN4
Synonyms:	BCRM1; COXPD18; SLC56A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_213649.1  
 CTCTAACCCAGCGCAAAAATGTCCCTGGAACAGGAGGAGAAACCGAACCTGGGCGGCTCCT  
 AGGACGCAGAGACGCGCTCCCGCCTTCATTGAGCCCAACGTGCGCTTCTGGATCACCGA  
 GCGCCAATCCTTTATTGACGATTTCTTCAATGGACAGAATTATTAGATCCTACAATGT  
 GTTCATTTTCAGTTGAAAGTATAGAAAACCTCGAGGCAACTATTGTGCACAAATGAAGATGT  
 TTCCAGCCCTGCCTCGGCGGACCAAAAGGATACAAGAAGCTTGAAGCGGAGTCTTGCAAC  
 AGTGCATCCCACAGCAGCAACCTGATCCCAAGCTTTTTCGACCTGCAGCGTTCCTGCC  
 TTTTCATGGCGCCACGGTATTTTTGTCAATGACGCCACTGAAAGGGATCAAGTCCGTGAT  
 TTTACCTCAGTTTTCTCTGTGCCTACATGGCAGCGTTCAACAGCATCAATGAAAACAG  
 AAGTTACACTTGAAGCCACTAGAAAGATCATTACTAATGGCGGGAGCCGTTGCTTCTTC  
 AACTTTCTTAGGAGTAATCCCTCAGTTTGTCCAGATGAAGTATGGCCTGACTGGCCCTTG  
 GATTAAGAACTCTTACCTGTGATCTTCCCTCGTGAAGCCAGTGAATGAATGTCTACAT  
 GTCCCGAAGTCTTGAATCCATTAAGGGGATTGCGGTTCATGGACAAGGAAGCAATGTCCT  
 GGGTCATTCCAGAATTGCTGGGACAAAGGCTGTTAGAGAAAACGCTAGCATCCAGAATAGT  
 GCTGTTTGGGACCTCAGCTCTGATTCTCTGAAGTCTTCACTACTTTTTTAAAAGGACCCA  
 GTATTTTCAGGAAAAACCCAGGGTCATTGTGGATTTTGAAGTGTCTTGTACTGTCCTGGC  
 AATGGGACTGATGGTGCCATTTTCTTTTAGTATATTTCCACAGATTGGACAGATACAGTA  
 CTGTAGTCTTGAAGAGAAAATTCAGTCTCCAACAGAAGAAACAGAAATCTTTTATCACAG  
 AGGGGTGTAGGCGTGAGTTTTAGGTGAATTTATGTGGTTCCTGCTTGAAGAACTTCCCCT  
 CTCCAGGTTTCGGTTTAGAGAACTTTGCCACAGGCTTCTGGGGACCCAGAGGTGTCTGT  
 GCTGACAAGGCGACTTCAGATTCATACTGAGATCGTTCCAGGCTGGCCTCTCTGGGGT  
 TTTTAAGGCTGGCTGGAGAAGACAGTGGGAGGGTGCCCGTCTGACACCCTGGGGTTGC  
 TGAGGGAACGGTTGGAGTGGGGATCGGCCTGCGAAAGGATACTGTGAAATCACTAATTA  
 CTAATAAACCTGTCTCAAGTTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_213649
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_213649.1</a></u> , <u><a href="#">NP_998814.1</a></u>
<b>RefSeq Size:</b>	1400 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	119559
<b>UniProt ID:</b>	<u><a href="#">Q6P4A7</a></u>
<b>Cytogenetics:</b>	10q26.11
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the sideroflexin family. The encoded protein is a transmembrane protein of the inner mitochondrial membrane, and is required for mitochondrial respiratory homeostasis and erythropoiesis. Mutations in this gene are associated with mitochondriopathy and macrocytic anemia. Alternatively spliced transcript variants have been found in this gene. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) encodes a functional protein.</p>