

Product datasheet for SC313021

SFXN5 (NM_144579) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFXN5 (NM_144579) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFXN5
Synonyms:	BBG-TCC; SLC56A5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313021 representing NM_144579. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGATACAGCGACTACAGCATCGGCGGGCGGGCTAGTGCCGCTAGCGCCTCGAGCGATGCACCT
CCTTTCCAACGGGCAAACCCCGCTTCCAGCAGACGTCTTCTATGGCCGCTTCAGGCACTTCTTGGAT
ATCATCGACCCTCGCACACTCTTTGTCAGTGTGAGAGAGCTCTCAGAGAGGCTGTGCAGCTGCTGGAGGAC
TATAAGCATGGGACCCTGCGCCCGGGGTACCAATGAACAGCTCTGGAGTGCACAGAAAATCAAGCAG
GCTATTCTACATCCGGACACCAATGAGAAGATCTTCATGCCATTTAGAATGTCAGGTTATATTCCTTTT
GGGACGCCAATTGTAGTCGGTCTTCTCTTGCACCAACAGACACTGGCATCCACTGTCTTCTGGCAGTGG
CTGAACCAGAGCCACAATGCCTGTGTCAACTATGCAAACCGCAATGCGACCAAGCCTTCACTGCATCC
AAGTTCATCCAGGGATACCTGGGAGCTGTATCAGCGCCGCTCCATTGCTGTGGGCCTTAATGTCTG
GTTCAGAAAGCCAACAAGTTCACCCAGCCACCCGCTTCTCATCCAGAGGTTTGTGCCGTTCCCTGCT
GTAGCCAGTGCCAATATCTGCAATGTGGTCTGATGCGGTACGGGGAGCTGGAGGAAGGGATTGATGTC
CTGGACAGCGATGGCAACCTCGTGGGCTCCTCAAAGATCGCAGCCGACACGCCCTGTGGAGACGGCG
CTGACGCGAGTGGTCTGCCATGCCATCCTGGTGCTACCCCGATCGTCATGTCCATGCTGGAGAAAG
ACGGCTCTCCTGCAGGCACGCCCCGGCTGCTCCTCCCTGTGCAAAGCCTCGTGTGCCTGGCAGCCTTC
GGCCTGGCCCTGCCGCTGGCCATCAGCCTTCCCGCAAATGTCAGAGATTGAAACATCCAATTAGAG
CCGGAGATAGCCAGGCCACGAGCAGCCGGACAGTGGTGTACAACAAGGGTTGTGA
ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_144579
Insert Size:	1023 bp



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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_144579.2</u>
RefSeq Size:	4140 bp
RefSeq ORF:	1023 bp
Locus ID:	94097
UniProt ID:	<u>Q8TD22</u>
Cytogenetics:	2p13.2
Domains:	Mtc
Protein Families:	Druggable Genome, Transmembrane
MW:	37.1 kDa
Gene Summary:	Mitochondrial amino-acid transporter (By similarity). Does not act as a serine transporter: not able to mediate transport of serine into mitochondria (PubMed:30442778). Transports citrate (By similarity).[UniProtKB/Swiss-Prot Function]