

Product datasheet for **SC319173**

SH3PX1 (SNX9) (NM_016224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3PX1 (SNX9) (NM_016224) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3PX1
Synonyms:	SDP1; SH3PX1; SH3PXD3A; WISP
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_016224.3
 AGCGGCTGGGCTGAGCGTCGAGACTCGGGCCGAGGCGGAGGAGCGGCCGCCGCCGG
 GGCCAGCCGGAGCCGCCCTCGCCCTTGCCTTGCCTGCGCGGCTCAGAATCACCAT
 CCGCGGCGGGAGACGAGCCGGCCGTCGCCGGCCGGGGACCCGCCGCCATGGCCACC
 AAGGCTCGGGTTATGTATGATTTTGCTGCTGAACCTGGAATAATGAACGACGGTTAAT
 GAAGGAGAAATCATCACAATCACAATCCGGATGTAGGTGGAGGATGGCTGGAAGGAAGA
 AACATCAAAGGAGAACGAGGGCTGGTCCACAGACTACGTTGAAATTTTACCCAGTGAT
 GGAAAAGATCAATTTTCTTGTGGAAATTCAGTGGCTGACCAAGCCTTCTTGATTCTCTC
 TCAGCCAGCACAGCTCACGCCAGTTCGTCGGCTGCCAGCAACAATCACCAGGTTGGCAGT
 GGCAATGACCCCTGGTCAGCCTGGAGTGCCTCCAATCTGGAACTGGGAAAGCTCAGAA
 GGCTGGGGGGCCAGCCAGAGGGGGCTGGAGCCAAAGAAACACAACACTCCCAACAAC
 TGGGACACTGCCTTCGGCCACCCCAAGGCTACCAAGGACCAGCAACTGGTGATGATGAT
 GACTGGGATGAAGACTGGGATGGGCCAAATCCTTCTCTACTTTAAGGATTCAGAGTCA
 GCTGATGCAGGCGGCTCAGCGAGGAAACAGTCGTGCTAGTTCTCATCCATGAAAATT
 CCCCTTAACAAATTTCTGGATTTGCGAAACCTGGCACGGAACAGTATTTGTTGGCCAAA
 CAACTAGCAAAACCCAAAGAGAAAATCCCATCATTTGTTGGAGATTATGGCCAAATGTGG
 GTTTATCTACCTCTACTTTTACTGTGTGGTAGCAGATCCCAGGAAAGGCTCCAAAATG
 TATGGTCTAAAGAGCTACATCGAATATCAGCTAACACCTACTAACACTAATCGATCTGTA
 AACCACAGGTATAAGCACTTTGACTGGTTATATGAGCGTCTCCTGGTTAAGTTTGGGTCA
 GCCATTCAAATCCCTTCTTCCAGACAAACAAGTCACAGGCCGCTTTGAAGAGGAATTT
 ATCAAAATGCGCATGGAGAGACTTCAGGCCTGGATGACCAGGATGTGTCGCCATCCAGTA
 ATCTCAGAAAGTGAAGTTTTCCAGCAGTTCCTAAATTTCCGAGATGAGAAGGAATGGAAA
 ACTGGAAAGAGGAAGGCCGAGAGAGATGAGCTGGCGGGAGTCATGATATTTTCCACCATG
 GAACCAGAGGCACCTGACTTGGACTTAGTAGAAAATAGAGCAGAAGTGCAGGCTGTGGGG
 AAGTTCACCAAGGCCATGGATGACGGCGTGAAGGAGCTGCTGACGGTGGGGCAGGAGCAC
 TGGAAAGCCTGCACGGGCCATTACCCAAGGAATATCAGAAGATAGGAAAGGCCTTGCAG
 AGTTTGGCCACAGTGTTCCAGTTCAGTGGCTATCAAGGTGAAACAGATCTCAATGATGCA
 ATAACAGAAGCAGGAAAGACTTATGAAGAAATGCCAGTCTCGTGGCAGAACAGCCAAAG
 AAAGATCTCCATTTCTGATGGAATGTAATCACGAGTATAAAGGTTTTCTTGGCTGCTTC
 CCTGACATCATTGGCACTACAAGGGAGCAATAGAAAAAGTGAAGAAAAGTGACAAACTA
 GTTGCAACAAGTAAAATACCCTACAAGACAAACAGAACATGGTGAAGAGAGTCAGCATC
 ATGCTTACGCGTTGCAAGCTGAGATGAATCACTTTCACAGTAACCGGATCTATGATTAC
 AACAGTGTATCCGCTGTACCTGGAGCAGCAAGTGAATTTTACGAAACGATTGCAGAA
 AAGCTGAGGCAGGCCCTCAGCCGCTTCCAGTGTAGTAGACAGAACGGGCCCTGAAGAG
 AATGCCGCGTGTCTTCTCCTGACTTGGGGCAATGCAATTCAAAACTTTTTTTCCCCTATT
 ATTCAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016224

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:

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: [NM_016224.3](#), [NP_057308.1](#)

RefSeq Size: 4200 bp

RefSeq ORF: 1788 bp

Locus ID: 51429

UniProt ID: [Q9Y5X1](#)

Cytogenetics: 6q25.3

Domains: SH3, PX

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the sorting nexin family. Members of this family contain a phosphoinositide binding domain, and are involved in intracellular trafficking. The encoded protein does not contain a coiled coil region, like some family members, but does contain a SRC homology domain near its N-terminus. The encoded protein is reported to have a variety of interaction partners, including of adaptor protein 2 , dynamin, tyrosine kinase non-receptor 2, Wiskott-Aldrich syndrome-like, and ARP3 actin-related protein 3. The encoded protein is implicated in several stages of intracellular trafficking, including endocytosis, macropinocytosis, and F-actin nucleation. [provided by RefSeq, Jul 2013]