

Product datasheet for **SC101891**

SNX13 (NM_015132) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX13 (NM_015132) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX13
Synonyms:	RGS-PX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_015132 edited

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GCGAGCGACCGGGCCGAGGGGAGGCCAGCGAAGCCGAGTAAAACCGCCGCCCGGGAGAAG
ACTGAAGGAGCAGTTGCCGCCGTTGGCGCGGCCCGAGCAGTTTTCGCTGCTGCTACGGC
TGTTGCCATGAGGCGAGGCTAGGGAGGACCTCACTTCCCCGGGGTGAATAATGTAACT
GAGGCCAGTCTATCCATATGGGGATGGGGAAGCCTTGGCATTGTCCTTTTCTGATAACC
TTTGGACCCTTTGAATATTTTATTTGACATTTTATATCCTCTGCTTTGTGGGTGGGGT
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GAAGCCAGGACTATTAAGATTGATAGAAGATTGACGGGTGCCAATAAATTGATGAACCT
CTCCAGCAAGTTATCCAGTTTCTTGGAGGATTATGTCCAGTATTGGTATTATACACTA
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GGAATTTATGAACAGTATTTATCAGAAAAGGCATCTCCAAGAGTACTGTTGATGACTAT
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TTAGTAGCAAAATTAGCAGATACTTTGAATCATGAAGATCCAACCCCTGAAATCTTTGAT
 GACATTCAAAGAAAGGTATATGAATTGATGCTACGAGATGAAAGATTTTATCCTTCCTTC
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 AAAAAAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_015132 unedited
 AATACGACTCACTATAGGGCGGCCGCAATTTCGGCACGAGGGCGAGCGACCGGGCCGAGG
 GGAGGCCAGCGAAGCCGAGTAAACCGCCGCCGGGAGAAGACTGAAGGAGCAGTTGCCG
 CCGTTGGCGGCGGCCGAGCAGTTTTCGCTGCTGCTACGGCTGTTGCCATGAGGCGAGGC
 TAGGGAGGACCTCACTTCCCGGGGTGTAATAATGTTAACTGAGGCCAGTCTATCCATAT
 GGGGATGGGGAAGCCTTGGCATTGTCCTTTTCTGATAACCTTTGGACCTTTGTAATAT
 TTTATTTGACATTTTATCCTCTGCTTTGTGGGTGGGGTTTAGTGTTACTCTCCTGT
 TTGAAAAACAACTCAGAGAAGTACCTAGAACAGTGTGAACACTCATTTCTTCTCCAA
 CATCACCTGGGGTTCCTAAGTGCTTAGAAGAAATGAAACGGGAAGCCAGGACTATTAAGA
 TTGATAGAAGATTGACGGGTGCCAATATAATTGATGAACCTCTCCAGCAAGTTATCCAGT
 TTTCTTGAGGGATTATGTCCAGTATTGGTATTATACACTAAGCGATGATGAATCTTTTC
 TTCTTGAAATTAGGCAGACTCTTCAAAACGCACTCATTGAGTTTGCTACTAGGTCAAAAG
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 GAGTATTCAGAAAGGCTCAACAGATAATAACAGAGAAAGATGATCAAGTGAAAGGTACAG
 CAGAAGATCTTGTAGATACCTTTTGAAGTTGAAAGTGAATGGAAAAGGGAGTTGCCGT
 GATCTANTGTGCACTTCCNCCAAGATGAGAANGATNCTANGGNATTGNGNGAGGNCTACT
 ATATTATTGCTACCTCTGAGATTGAGACAGATCTGCGATCTTGACGGGAATCTGCCCGAG
 ATTCTCTCTCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015132 unedited <pre> GGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTATGGATGTATTAATAATCTATT TTGAGACACTAAAAGACTGGTGCAGACACAACAGTATTTGAGTTAAGCCCCAGAAGATCT GTCCATACCATAGTCTGGACAAAATGAACACCAGCTTCATAGAGTGGAGTGTACCTT TTCTGCAAAGAAGGCGCTTGAGTAGTTTGAAGTTTCTGTTTATATTTCTGCATCTGCTTT GACCGTGAATGCAGTTTGTGAAAAGTTCACGGAATTTATACTGTGGAATAAGGTTTCT AAAAAGCCTTCCAAGAAGACATAAACCATTCCTATTTAATTGGTTGTGCTGAAACATT TCAAAAACACGAAGAATACCTTTCCGTGTTGTCTCAGCCCCAATAATGTGCTTCAGCTCA TCTGGCATAATTGCAAGTAATTCGTTNTTCTGCTACTCTTGTCTCATTTCGAATACTT TTATCTCTGCATGGAACAGCCCTCTGCTAAAAATGCCATTTGGCCAAAATGCATCTCTGAA ACGTTTCACTGAGTCGGCTACTTGTTCAGGTGAAGTCATCCAGTCAACATGGTCAACTAT TTTTCTATTAATAGTATCGCCATATGTAGCTCTAATAAGCTNGTGAAGTAGGTTTTTAAT ATTCTTCCCCACCACTGATTNCTTCCTTTAAGTCGAATACTTCATTCATGNAGAGCAGCA TTACCCTAAGTGGATATNGTCATCCACATATCGCAAGTTGAGCCGAACTCGCGAATGTAC AGGTCTGAATCAGCCTTAGAATTAAGGGAGCCCTAAAAATGANTGCTTTAGTCTGGACT TATCTTTTTGAATTTGGCCATGTGTGCGGACTTTAAGCATTCCCTTGCCAGCCTACGGAA GGAGTTAACCTGCTTNGAACATTCCTCTTGAATTGCAAGGGGATCACAAAAGTGCTCTTT GGAAAAAACCTTTTCTTTAGGAGGTTTGTTCAGGACATACAAAAGGAATAAGGGGGAG CTCTCTTTTGGCCACAAACCGAAAGCTTAACCTTTTCTTTTAAAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015132
Insert Size:	3200 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).
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:	<u>NM_015132.2</u> , <u>NP_055947.1</u>
RefSeq Size:	4157 bp
RefSeq ORF:	2874 bp
Locus ID:	23161

UniProt ID: [Q9Y5W8](#)

Cytogenetics: 7p21.1

Domains: RGS, PX, PXA

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a PHOX domain- and RGS domain-containing protein that belongs to the sorting nexin (SNX) family and the regulator of G protein signaling (RGS) family. The PHOX domain is a phosphoinositide binding domain, and the SNX family members are involved in intracellular trafficking. The RGS family members are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. The RGS domain of this protein interacts with G alpha(s), accelerates its GTP hydrolysis, and attenuates G alpha(s)-mediated signaling. Overexpression of this protein delays lysosomal degradation of the epidermal growth factor receptor. Because of its bifunctional role, this protein may link heterotrimeric G protein signaling and vesicular trafficking. [provided by RefSeq, Jul 2008]