

## Product datasheet for **SC322323**

### **SNX7 (NM\_152238) Human Untagged Clone**

#### Product data:

|                           |                        |
|---------------------------|------------------------|
| <b>Product Type:</b>      | Expression Plasmids    |
| <b>Tag:</b>               | Tag Free               |
| <b>Symbol:</b>            | SNX7                   |
| <b>Mammalian Cell</b>     | Neomycin               |
| <b>Selection:</b>         |                        |
| <b>Vector:</b>            | pCMV6-AC (PS100020)    |
| <b>E. coli Selection:</b> | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:** >OriGene sequence for SC322323 AGGTGCTGGATCTGGACGAGGACGAGGACGACCTGGAGGTGTTTCAGCAAGGGAGGTTGAA  
TGCTACTCCAGTTTCTCAAGTTGCTGCTGAGAGAAGACCTGAGTTTCAGATCACAAACGCTG  
TATTCATTACTAAGAAGCCTGTTTCATTTTAACGTTACCTGGAGATATTAGGATGCCTCAT  
TGATGGACATGAACTCCTTCAGCCCTATGATGCCAACATCCCCTTTATCAATGATAAACC  
AAATCAAGTTTGAGGATGAACCAGATTTAAAGGATCTCTTCATCACAGTTGATGAACCTG  
AAAGTCATGTTACTACAATAGAACTTTTCATTACGTATAGGATTATTACTAAGACATCTC  
GTGGGGAATTTGACTCCAGTGAATTTGAAGTTAGGAGACGATATCAAGATTTCTTTGGT  
TGAAGGAAAAGTGAAGAAGCACACCCCACTCTGATTATTCACCATTGCCAGAAAAGT  
TTATAGTAAAAGGAATGGTGAACGCTTTAACGATGACTTCATTGAGACACGCAGGAAGG  
CTTTACATAAATTTTGAACCGAATTGCTGATCATCCAACCTTTAACATTTAATGAAGACT  
TCAAAATTTTCTCACTGCACAAGCTTGGGAACCTCTTCTCACAGAAGCAAGGTCCTG  
GCTTGCTAAGCAGGATGGGGCAAACCGTCAGAGCTGTTGCGTCCTCAATGAGAGGAGTTA  
AAAACCGCCCAAGGAGTTTCATGGAATGAATAACTTTATTGAACATTTAGCCAGAAAA  
TAAATTTGATAGATAAAATATCTCAGAGAATTTATAAGGAAGAAAGGGAATATTTTGATG  
AAATGAAAGAATATGGCCCAATTCATATTCTGTGGTCAGCGTCAGAAGAGGATCTGTTG  
ATACTCTAAAGGATGTTGCCAGCTGCATTGACAGATGCTGTAAGGCCACTGAAAAGCGGA  
TGCTCTGGACTCTCAGAGGCCCTGCTTCTGTTGTACATGAGTACGTGCTTTATAGTGAAA  
TGTTAATGGGTGTTATGAAAAGAAGAGACCAATACAAGCAGAAGTGGATTCCAAAGTTG  
AAGTTTGGACCTATAAAAAGGCAGATACTGATCTGTGCCTTGCTACGTGGGAATCATTC  
TTACATCACAGACCAACCTTCACCTTGAAGAAGCCTCTGAAGATAAACCTTAATCCCATT  
GAGGACTTCTGTTTGATCTTTGGGAGACAGCATTATTAACCAAAGTTATTCTTTCTGGA  
TCTGCCGTGTCTTATAAAGTGGATGAAAAATGTTTGTACCCATCTGGAACCAACAA  
CTTGAAATCTCAGGTATCCAGGTCAGTACATGAATTTGAAGATATATCTATCTGTATG  
GATATATATCTATATGATATAGATATATAAATACAGAGAGATATCTGGCTTGGTTTTAA  
TTATGTTCTTAAATTTGTGTGCCAATAATTGCATATAGATTTTTTTCTTAAATATTTGA  
CTGTGGAACATGCCATTTTAAATATGTTGTAAGGACTGTTTAAATAAAAAGTTTATGATG  
AAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_152238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq:</b>                | <a href="#">NM_152238.1</a> , <a href="#">NP_689424.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>           | 1585 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq ORF:</b>            | 1011 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 51375                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>            | <a href="#">Q9UNH6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cytogenetics:</b>          | 1p21.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Domains:</b>               | PX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary:</b>          | <p>This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region like some family members, and its exact function is unknown. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p> |