

Product datasheet for **RG229228**

SNX7 (NM_015976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX7 (NM_015976) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNX7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229228 representing NM_015976 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGGCGAGCGCGGGCATCGCAGGCGCCCTCCTCGGGCCTCCCGCCGGGGCGCCAACGGGGAGA
GCCCCGGGGGGCGCGCCCCCTTTCCGGGCAGCAGTGGCTCTTCCGCCCTGCTGCAGGCGGAGGTGCTGGA
TCTGGACGAGGACGAGGACGACCTGGAGGTGTTCAAGCAAGGATGCCTCATTGATGGACATGAACCTCTTC
AGCCCTATGATGCCAACATCCCCTTTATCAATGATAAACCAAAATCAAGTTTGAGGATGAACCAGATTTAA
AGGATCTCTTCATCACAGTTGATGAACCTGAAAGTCATGTTACTACAATAGAACTTTTCATTACGTATAG
GATTATTACTAAGACATCTCGTGGGGAATTTGACTCCAGTGAATTTGAAGTTAGGAGACGATATCAAGAT
TTCCTTTGGTTGAAGGAAAACCTGGAAGAAGCACACCCCACTCTGATTATTCACCACTTGCCAGAAAAGT
TTATAGTAAAAGGAATGGTGGAACGCTTTAACGATGACTTCATTGAGACACGCAGGAAGGCTTTACATAA
ATTTTGAACCGAATTGCTGATCATCCAACCTTTAACATTTAATGAAGACTTCAAAATTTTCTCACTGCA
CAAGCTTGGGAACCTCTTCTCACAAGAAGCAAGGTCTGGCTTGCTAAGCAGGATGGGGCAAACCGTCA
GAGCTGTTGCGTCTCAATGAGAGGAGTTAAAAACCGCCAGAGGAGTTCATGGAATGAATAACTTTAT
TGAAGTATTTAGCCAGAAAATAAATTTGATAGATAAAATATCTCAGAGAATTTATAAGGAAGAAAGGAA
TATTTTGATGAAATGAAAGAATATGGCCCAATTCATATCTGTGGTCAGCGTCAGAAGAGGATCTGGTTG
ATACTCTAAAGGATGTTGCCAGCTGCATTGACAGATGCTGAAGGCCACTGAAAAGCGGATGCTCTGGACT
CTCAGAGGCCCTGCTTCTGTTGTACATGAGTACGTGCTTTATAGTGAAATGTTAATGGGTGTTATGAAA
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ATCTGCTTCCAGAGGAGATTGGAAGAACTTGAAGATAAAGTGGAATGTGCTAATAATGCCCTGAAAGCAGA
TTGGGAGAGATGGAACAAAATATGCAAAATGATATCAAGTTAGCATTTACAGATATGGCTGAGGAGAAT
ATCCATTATTATGAACAGTGCCTTGCTACGTGGGAGTCATTCTTACATCACAGACCAACCTTCACTTGG
AAGAAGCCTCTGAAGATAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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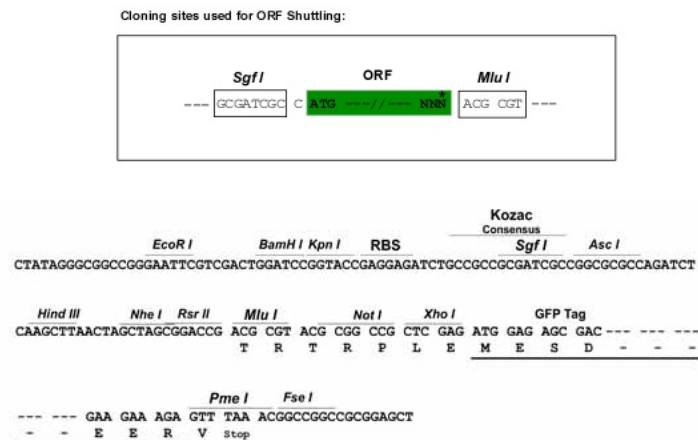
Protein Sequence: >RG229228 representing NM_015976
 Red=Cloning site Green=Tags(s)

MEGERRASQAPSSGLPAGGANGESPGGGAPFPGSSGSSALLQAEVLDLDEDEDDLEVFSDKASLMDMNSF
 SPMMPTSPLSMINQIKFEDEPDLDLKITVDEPESHVTTIETFITIYRIITKTSRGEFDSSEFEVRRRYQD
 FLWLKGKLEEAHPTLIIPPLPEKFIKGMVERFNDDFIETRRKALHKFLNRIADHPTLTFNEDFKIFLTA
 QAWELSSHKKQGPGLLSRMGQTVRAVASSMRGVKNRPEEFMEMNFIELFSQKINLIDKISQRIYKEERE
 YFDEMKEYGPIHILWSASEEDLVDTLKDVASCIDRCKATEKRMSGLEALLPVVHEYVLYSEMLMGVMK
 RRDQIQAEELDSKVEVLTYYKADTDLLPEEIGKLEDKVECANNAKADWERWKQNMQNDIKLAFTDMAEEN
 IHYYEQCLATWESFLTSQTNLHLEEASEDKP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015976

ORF Size: 1353 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_015976.5

RefSeq Size: 1800 bp

RefSeq ORF: 1356 bp

Locus ID: 51375

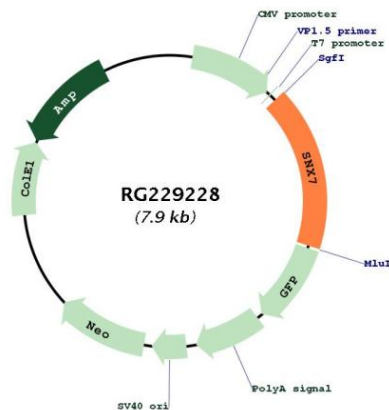
UniProt ID: Q9UNH6

Cytogenetics: 1p21.3

Domains: PX

Gene Summary: 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]

Product images:



Circular map for RG229228