

Product datasheet for **RG201844**

SNX1 (NM_003099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX1 (NM_003099) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNX1
Synonyms:	HsT17379; VPS5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201844 representing NM_003099
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCGGGTGGTGGCTGTAGCGCTTCGGAGAGACTGCCTCCGCCCTTCCCGGCCCTGGAGCCGG
 AGTCCGAGGGGGCGCCGGGGATCAGAACCCGAGGCTGGGGACAGCGACACCGAGGGGGAGGACATTTT
 CACCGGCGCCGGTGGTCACTAAACATCAGTCTCCAAAGATAACTACATCCCTTCTCCATCAACAAT
 GGCTCCAAAGAAAATGGGATCCATGAAGAACAAGACCAAGAGCCACAGGATCTCTTTGCAGATGCCACAG
 TGGAGCTATCCTTGGACAGCACAAAAAATCAGAAGAAGGTGCTAGCCAAAACACTCATTTCTCTTCC
 TCCTCAGGAAGCCACAAATTCCTGAAGCCCCAGCCAACCTATGAGGAGCTAGAGGAAGAAGAACAGGAG
 GATCAATTTGATTTGACAGTCGGTATAACTGATCCTGAGAAGATAGGGGATGGTATGAATGCATATGTAG
 CCTACAAAGTTACAACACAGACAAGCTTACCATTGTTTCAAGCAACAGTTTGCAGTAAAAAGAAGATT
 TAGTGACTTTCTGGTCTTTATGAGAAGCTTTCCGAGAAGCACTCTCAGAATGGCTTCATTGTCCCTCCA
 CCCCCGAGAAGAGCCTCATAGGGATGACAAAAGTGAAAGTTGGGAAGGAAGATTCTTCTCTGCAGAAT
 TTCTTGAAAAACGGAGGGCCGCTTTAGAAAAGGTACCTTCAGAGGATTGTAATATCCTACCATGTTACA
 GGACCCTGACGTCAGAGAGTTCTTGAAAAAGAAGAGCTGCCACGTGCCGTGGGTACCCAGACATTGAGT
 GGTGCTGGTCTCCTCAAGATGTTCAACAAAGCCACAGATGCCGTGAGCAAAATGACCATCAAGATGAATG
 AATCAGACATTTGGTTTGGAGAGAAGCTCCAGGAGGTAGAGTGTGAGGAGCAGCGCTTACGGAAACTGCA
 TGCTGTTGTAGAACTCTAGTCAACCATAGGAAAGAGCTAGCGCTGAACACAGCCAGTTTGCAAAGAGT
 CTAGCCATGCTTGGGAGCTCTGAGGACAACACGGCATTGTACGGGCACTCTCCAGCTGGCTGAGGTGG
 AAGAAAAAATTGAGCAGCTCCACCAGGAACAGGCCAACAATGACTTCTTCTCTCTGCTGAGCTCCTGAG
 TGACTACATTCGCTCCTGGCCATAGTCCGCGCTGCCTTCGACCAGCGCATGAAGACATGGCAGCGCTGG
 CAGGATGCCCAAGCCACACTGCAGAAGAAGCGGGAGGCCGAGGCTCGGCTGCTGTGGGCCAAACGCTG
 ATAAGCTGCAGCAGGCCAAGGACGAGATCCTCGAGTGGGAGTCTCGGGTACTCAATATGAAAGGGACTT
 CGAGAGGATTTCAACAGTGGTCCGAAAAGAAGTGATACGGTTTGAGAAAGAGAAATCCAAGGACTTCAAG
 AACACGTGATCAAGTACCTTGAGACACTCCTTACTCACAGCAGCAGCTGGCAAAGTACTGGGAAGCCT
 TCCTTCTGAGGCAAAGGCCATCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201844 representing NM_003099
 Red=Cloning site Green=Tags(s)

MASGGGCSASERLPPFPGLEPESEGAAGGSEPEAGDSDEGEDIFTGAAVSKHQSPKITTSLLPINN
 GSKENGIHEEQDQEPQDLFADATVELSLDSTQNNQKKVLAKTLISLPPQEATNSSKPQPTYEEEEEEQE
 DQFDLTVGITDPEKIGDGMNAYVAYKVTQTSLPLFRSKQFAVKRRFSDFLGLYEKLSKHSQNGFIVPP
 PPEKSLIGMTKVKVKGEDSSSAEFLEKRRALERYLQRIYNHPTMLQDPDVREFLEKEELPRAVGTQTL
 GAGLLKMFNKATDAVSKMTIKMNESDIWFEEKLQVEVECEEQRLRKLHAVVETLVNHRKELALNTAQFAKS
 LAMLGSSDNTALSRALSQLAEEVEEKIEQLHQEQANNDFFLLAELLSDYIRLLAIVRAAFDQRMKTQWRW
 QDAQATLQKKREAEARLLWANKPKLQQAQKDEILEWESRVYQYERDFERISTVVRKEVIRFEKEKSKDFK
 NHVIKYLETLLYSQQQLAKYWEAFLPEAKAIS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_003099

ORF Size: 1566 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_003099.3](#), [NP_003090.2](#)

RefSeq Size: 8221 bp

RefSeq ORF: 1569 bp

Locus ID: 6642

UniProt ID: [Q13596](#)

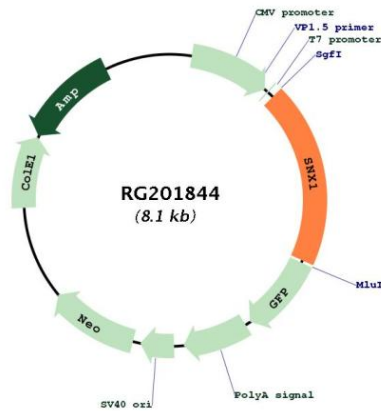
Cytogenetics: 15q22.31

Domains: PX, Sorting_nexin

Protein Families: Druggable Genome

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 endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This protein also has a role in sorting protease-activated receptor-1 from early endosomes to lysosomes. This protein may form oligomeric complexes with family members. This gene results in three transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201844