

Product datasheet for **RG202354**

SNX3 (NM_003795) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNX3 (NM_003795) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SNX3
Synonyms: Grd19; MCOPS8; SDP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202354 representing NM_003795
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAGACCGTGGCTGACACCCGGCGGCTGATCACCAAGCCGCAGAACCTGAATGACGCCTACGGAC
 CCCCCAGCAACTCCTCGAGATCGATGTGAGCAACCCGAAACGGTGGGGTCCGGCCGGGCGCTTAC
 CACTTACGAAATCAGGGTCAAGACAAATCTTCTATTTTCAAGCTGAAAGAATCTACTGTTAGAAGAAGA
 TACAGTGACTTTGAATGGCTGCGAAGTGAATTAGAAAGAGAGAGCAAGGTCGTAGTCCCCCGCTCCCTG
 GAAAAGCGTTTTTGCCTCAGCTTCTTTTAGAGGAGATGATGGAATATTTGATGACAATTTATTGAGGA
 AAGAAAACAAGGCTGGAGCAGTTTATAACAAGGTCGCTGGTCATCCTCTGGCACAAGAACAACGTTGT
 CTTACATGTTTTTACAAGATGAAATAATAGATAAAAAGCTATACTCCATCTAAAATAAGACATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202354 representing NM_003795
 Red=Cloning site Green=Tags(s)

MAETVADTRRLITKPQLNDAYGPPSNFLEIDVSNPQTVGVGRGRFTTYEIRVKTNLPIFKLKESTVRRR
 YSDFEWRSELERESKVVVPLPGKAFLRQLPFRGDDGIFDDNFIEERKQGLEQFINKVAGHPLAQNERC
 LHMFLQDEIIDKSYTPSKIRHA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_003795

ORF Size: 486 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_003795.6](#)

RefSeq Size: 1496 bp

RefSeq ORF: 489 bp

Locus ID: 8724

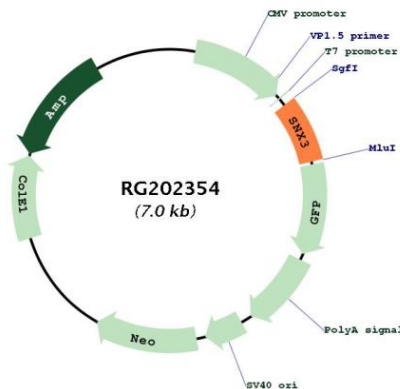
UniProt ID: [O60493](#)

Cytogenetics: 6q21

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 most family members. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. A pseudogene of this gene is present on the sex chromosomes. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG202354