

Product datasheet for **RG205869**

SNX4 (NM_003794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX4 (NM_003794) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNX4
Synonyms:	ATG24B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205869 representing NM_003794
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAGGCACCTCCGGACCCGAGCGGCAGCTCCAGCCGGCGCCCTTGGAGCCGCTGGGCTCCCCAG
 ACGCTGGGCTGGGGCTGCGGTGCGCAAGGAAGCGGAGGGGGCCGAGAAGAGAGCTCTGGGGTTCGACAC
 GATGACACACAATAATTTTTGGTTGAAGAAGATAGAAATCAGTGTTCAGAAAGCAGAAAAACGAAGTGA
 AGAAATGCCATGAACATGCAAGAAACATATACTGCTTACCTCATTGAAACAAGGTCAGTTGAACATACCG
 ATGGTCAGAGTGTCTAACAGACTCACTATGGCGGCGATATAGTGAATTTGAGTTGTTGAGAAGCTACCT
 TTTAGTTTACTATCCACATATTGTTGTGCCACCTCTGCCAGAAAAACGGGCAGAATTTGTTTGGCATAAA
 CTCTCTGCTGACAACATGGATCCAGATTTTGTGGAGAGGCGACGATTGGTTTAGAAAACCTTCTCTTGA
 GGATTGCTTCACATCCCATCCTTTGTAGAGACAAAATCTTCTATCTGTTTTTAACACAGGAAGGTAAGT
 GAAGGAGACTGTGAATGAAACTGGGTTTCAGCTGAAGGCAGACTCCAGGTTAAAAGCGCTTAATGCAACA
 TTCAGAGTGAAAAACCCAGACAAGAGATTTACTGACCTTAAGCACTATAGTGATGAAGTGCAGTCTGTCA
 TCTCACATCTTCTTCGAGTCAGAGCTAGAGTAGCAGATCGACTCTATGGTGTATATAAAGTACATGGGAA
 TTATGGTCGAGTTTTTCACTGAATGGAGTGCCATAGAAAAAGAAATGGGTGATGGACTGCAGAGTGTGGT
 CATCATATGGATGTGTATGCATCTTCTATTGATGATATTTTGAAGATGAAGAACATTATGCAGATCAGT
 TAAAAGAGTATCTTTTTATGCAGAAGCATTGCGGGCTGTGTGCAGGAAACATGAAGTATGCAGTATGA
 CTTGGAGATGGCTGCTCAGGACTTAGCATCCAAGAAGCAGCAGTGTGAGGAAGTGGTAAGTGGGACTGTG
 AGAACATTCTCTTTGAAGGGAATGACTACCAAGCTCTTTGGTCAAGAACTCCAGAGCAGAGAGAAGCCA
 GAATAAAGGTGCTAGAAGAACAATAAATGAAGGAGAACACAGCTAAAGTCTAAAAATCTGGAAGGCAG
 AGAATTTGTGAAAAACGCATGGGCTGATATTGAACGCTTCAAAGAACAAGAACCCGAGACTTAAAGGAG
 GCCCTCATAAGCTATGCAGTCATGCAGATCAGTATGTGCAAAAAGGGAATTCAAGTTTGGACCAATGCTA
 AGGAATGCTTTAGCAAGATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

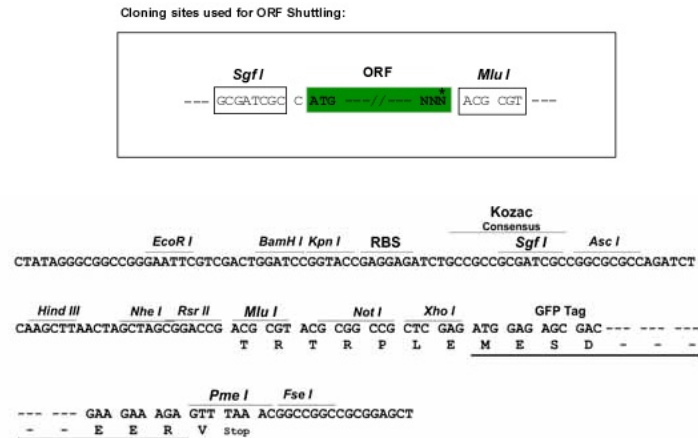
>RG205869 representing NM_003794
 Red=Cloning site Green=Tags(s)

MEQAPPDPERQLQPAPLEPLGSPDAGLGAAGVKEAEGAGEESSGVDMTMHNFWLKKIEISVSEAEKRTG
 RNAMNMQETYTYAYLIETRSVEHTDGQSVLTDLSLWRRYSEFELLRSYLLVYYPHIVVPLPEKRAEFVWHK
 LSADNMDPDFVERRRIGLENFLLRIASHPILCRDKIFYLFLTQEGNWKETVNETGFQLKADSRLKALNAT
 FRVKNPDKRFTDLKHYSDELQSVISHLLRVRARVADRLYGVIKVGHNIGRVFSEWSAIEKEMGDGLQSAG
 HHMDVYASSIDDEEHYADQLKEYLFYAEALRAVCRKHELMQYDLEMAAQDLASKKQCEELVTGTV
 RTFSLKGMTTKLFGQETPEQREARIKVLLEEQINEGEQQLKSKNLEGREFVKNAWADIERFKEQKNRDLKE
 ALISYAVMQISMCKKGIQVWTNAKECFSKM

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003794

ORF Size: 1350 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_003794.4](#)

RefSeq Size: 2567 bp

RefSeq ORF: 1353 bp

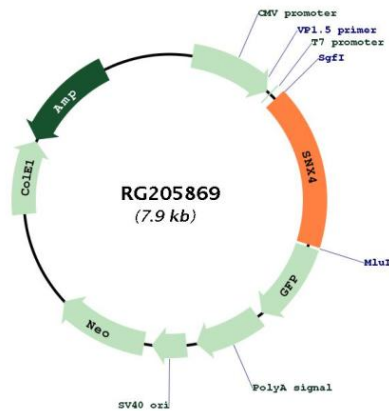
Locus ID: 8723

UniProt ID: [O95219](#)

Cytogenetics: 3q21.2

Domains:	PX
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 protein associated with the long isoform of the leptin receptor and with receptor tyrosine kinases for platelet-derived growth factor, insulin, and epidermal growth factor in cell cultures, but its function is unknown. This protein may form oligomeric complexes with family members. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Nov 2012]

Product images:



Circular map for RG205869