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Product datasheet for RG218143

SNX26 (ARHGAP33) (NM_052948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SNX26
Synonyms:	NOMA-GAP; SNX26; TCGAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG218143 representing NM_052948
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGGCACGCAGCACTGACAGCCTGGATGGCCCAGGGGAGGGCTCGGTGCAGCCTCTACCCACTGCTG
GGGGGCCCAGTGTGAAGGGGAAGCCTGGGAAGAGGCTCTCAGCTCCTCGAGGCCCCTTCCCGCGGCTGGC
TGACTGCGCCCATTTCCACTACGAGAACGTTGACTTTGGCCACATTCAGCTCCTGCTGTCTCCAGACCGT
GAAGGGCCCAGCCTCTCTGGAGAGAATGAGCTGGTGTTCGGGGTGCAGGTGACCTGTCAGGGCCGTTCCT
GGCCGGTTCTCCGGAGTTACGATGACTTTCGTTCCCTGGATGCCCACCTCCACCGGTGCATATTTGACCG
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CTGCTGCTGCAGTACCTGGAGACACTGTCAGGACTGGTGGACAGTAACCTCAACTGCGGGCCTGTGCTCA
CCTGGATGGAGCTGGACAATCACGGCCGGCGACTGCTCCTCAGTGAGGAGGCGTCACTCAATATCCCTGC
AGTGGCGGCCGCCCATGTGATCAAACGGTATACAGCCCAGGCGCCAGATGAGCTGTCCTTTGAGGTGGGA
GACATTGTCTCGGTGATCGACATGCCACCCACAGAGGATCGGAGCTGGTGGCGGGGCAAGCGAGGCTTCC
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TGTGCCCCAGGTGCTGCGCTGCTGCTCCGAGTTCATTGAGGCCCACGGGGTGGTGGATGGGATCTACCGG
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GAAGTTCGGGTGCAGTCGGTGGTGGTGGAGTTTCTGCTCACCCATGTGGACGTCCTGTTCAGCGACACCT

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TCACCTCCGCCGGCCTCGACCCTGCAGGCCGCTGCCTGCTCCCCAGGCCCAAGTCCCTTGCGGGCAGCTG
CCCCTCCACCCGCCTGCTGACGCTGGAGGAAGCCCAGGCACGCACCCAGGGCCGGCTGGGGACGCCCACG
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GCAAAGAGGGGAGGGGGCTGGTCCCCCACCCCCTTACCCCACTCCCAGCTGGTCCCTCCACTCTGAGGGC
CAGACCCGAAGCTACTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218143 representing NM_052948
Red=Cloning site Green=Tags(s)

MVARSTDSLDGPGEGSVQPLPTAGGPSVKGKPGKRLSAPRGPFPRLADCAHFHYENVDFGHIQLLLSPDR
EGPSLSGENELVFGVQVTCQGRSWPVLRSYDDFRSLDAHLHRCIFDRRFSCLPELPPPPEGARAAQMLVP
LLLQYLETLSGLVDSNLNCGPVLTWMELDNHGRRLLLSEEASLNIPAVAAAHVIKRYTAQAPDELSFEVG
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PRGKLAGLLRTFMRSRPSRQRLRQRGILRQRVFGCDLGEHLSNSGQDVPQVLRCCSEFIEAHGVVDGIYR
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RLVRVHDVIQQLPPPHYRTLEYLLRHLARMARHSANTSMHARNLAIVWAPNLLRSMELESVGMGGAAAFR
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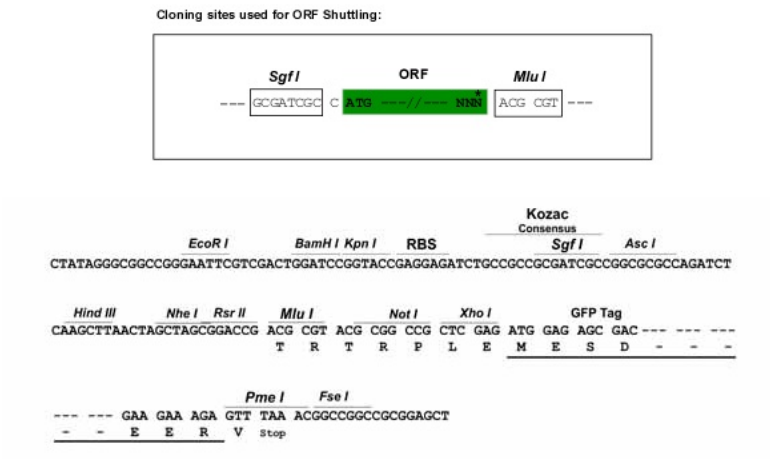
QTRSYC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_052948

ORF Size: 3378 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_052948.4

RefSeq Size: 3859 bp

RefSeq ORF: 3381 bp

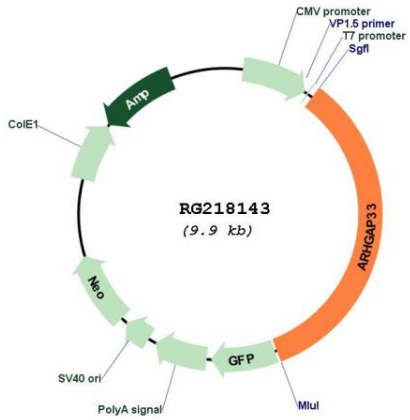
Locus ID: 115703

UniProt ID: O14559

Cytogenetics: 19q13.12

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. Alternative splice variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2010]

Product images:



Circular map for RG218143