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Product datasheet for RG201862

SNX7 (NM_152238) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SNX7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG201862 representing NM_152238
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACATGAACTCCTTCAGCCCTATGATGCCAACATCCCCTTTATCAATGATAAACCAAATCAAGTTTG
AGGATGAACCAGATTTAAAGGATCTCTTCATCACAGTTGATGAACCTGAAAGTCATGTTACTACAATAGA
AACTTTCATTACGTATAGGATTATTACTAAGACATCTCGTGGGGAATTTGACTCCAGTGAATTTGAAGTT
AGGAGACGATATCAAGATTTCCTTTGGTTGAAGGGAAAACTGGAAGAAGCACACCCCACTCTGATTATTC
CACCATTGCCAGAAAAGTTTATAGTAAAAGGAATGGTGGAACGCTTTAACGATGACTTCATTGAGACACG
CAGGAAGGCTTTACATAAATTTTTGAACCGAATTGCTGATCATCCAACTTTAACATTTAATGAAGACTTC
AAAATTTTTCTCACTGCACAAGCTTGGGAACTCTCTTCTCACAAGAAGCAAGGTCCTGGCTTGCTAAGCA
GGATGGGGCAAACCGTCAGAGCTGTTGCGTCCTCAATGAGAGGAGTTAAAAACCGCCCAGAGGAGTTCAT
GGAAATGAATAACTTTATTGAACTATTTAGCCAGAAAATAAATTTGATAGATAAAATATCTCAGAGAATT
TATAAGGAAGAAAGGGAATATTTTGATGAAATGAAAGAATATGGCCCAATTCATATTCTGTGGTCAGCGT
CAGAAGAGGATCTGGTTGATACTCTAAAGGATGTTGCCAGCTGCATTGACAGATGCTGTAAGGCCACTGA
AAAGCGGATGTCTGGACTCTCAGAGGCCCTGCTTCCTGTTGTACATGAGTACGTGCTTTATAGTGAAATG
TTAATGGGTGTTATGAAAAGAAGAGACCAAATACAAGCAGAACTGGATTCCAAAGTTGAAGTTTTGACCT
ATAAAAAGGCAGATACTGATCTGTGCCTTGCTACGTGGGAATCATTCCTTACATCACAGACCAACCTTCA
CTTGGAAGAAGCCTCTGAAGATAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

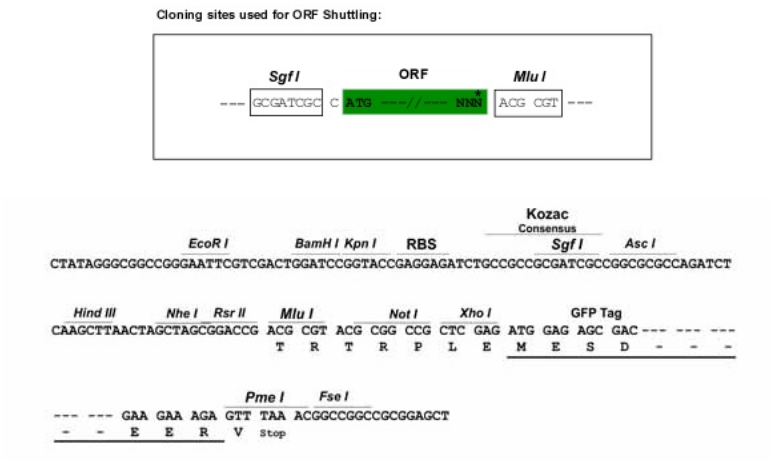
>RG201862 representing NM_152238
Red=Cloning site Green=Tags(s)

MDMNSFSPMMPTSPLSMINQIKFEDEPDLKDLFITVDEPESHVTTIETFITYRIITKTSRGEFDSSEFEV
RRRYQDFLWLKGKLEEAHPTLIIPPLPEKFIVKGMVERFNDDFIETRRKALHKFLNRIADHPTLTFNEDF
KIFLTAQAWELSSHKKQGPGLLSRMGQTVRAVASSMRGVKNRPEEFMEMNNFIELFSQKINLIDKISQRI
YKEEREYFDEMKEYGPIHILWSASEEDLVDTLKDVASCIDRCCKATEKRMSGLSEALLPVVHEYVLYSEM
LMGVMKRRDQIQAELDSKVEVLTYKKADTDLCLATWESFLTSQTNLHLEEASEDKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152238

ORF Size: 1008 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_152238.1, NP_689424.1

RefSeq Size: 1627 bp

RefSeq ORF: 1191 bp

Locus ID: 51375

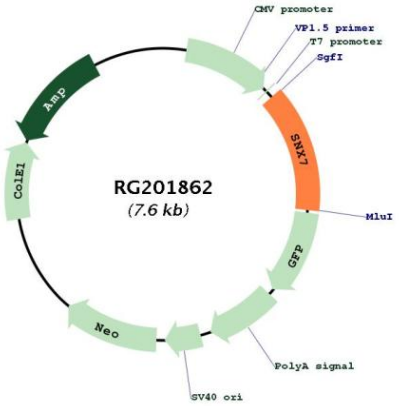
UniProt ID: Q9UNH6

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 RG201862