

Product datasheet for **RG200981**

SNX6 (NM_021249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX6 (NM_021249) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNX6
Synonyms:	MSTP010; TFAF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200981 representing NM_021249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACGAAGGAAGAATTCACAAAGATGAAACAGGAACTGGAAGCTGAATATTTGGCAATATTCAAGAAGA
CAGTTGCGATGCATGAAGTGTTCCTGTGTCGTGGCAGCACATCCTATTTTGAGAAGAGATTTAAATTT
CCATGTCTTCTTGAATATAATCAAGATTTGAGTGTGCGAGGAAAAATAAAAAAGAGAACTTGAAGAC
TTCTTTAAAAACATGGTTAAATCAGCAGATGGAGTAATCGTTTCAGGAGTAAAGGATGTAGATGATTCT
TTGAGCACGAACGAACATTTCTTTTGAATATCATAACCGAGTTAAGGATGCATCTGCTAAATCTGATAG
AATGACAAGATCCACAAAAGTGTGCAGATGATTACAATAGAATTGGTTCTTCATTATATGCTTTAGGA
ACTCAGGATTCTACAGATATATGCAAGTTTTTCTCAAAGTTTCAGAACTGTTTCGATAAAAACAAGAAAA
TAGAAGCACGAGTGTCTGCTGATGAAGACCTCAAATTTCTGATCTTTAAAAATATTACTTAAGAGAATC
TCAAGCTGCTAAGGATCTCCTGTATCGAAGGTCTAGGTCAGTGGATTATGAAAATGCTAATAAAGCA
CTGGATAAAGCAAGAGCAAAAAATAAAGATGTTCTACAGGCCGAACTTCCCAACAATTATGTTGTCAGA
AATTTGAAAAAATATCTGAGTCTGCAAAACAAGAACTTATAGATTTTAAGACAAGAAGAGTTGCTGCATT
CAGAAAAAATTTAGTGGAACTGGCAGAGTTAGAAGTGAAGCATGCAAAGGTAATCTACAGTTGCTGCAG
AACTGCCTGGCAGTGTTAAATGGAGACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200981 representing NM_021249
Red=Cloning site Green=Tags(s)

MTKEEFTKMKQELEAEYLAIFFKKTVMHEVFLCRVAHPILRRDLNFHFVLEYNQDLSVRGKNKKEKLED
 FFKNMVKSADGVIIVSGVKDVDDFFEHRTFLLEYHNRVKDASAKSDRMTRSHKSAADDYNRIGSSLYALG
 TQDSTDICKFFLKVSELFDKTRKIEARVSADEDLKLSDLLKYYLRESQAADLLYRRSRSLVDYENANKA
 LDKARAKNDVLQAETSQQLCCQKFEKISESAKQELIDFKTRRVAAFRKNLVELAELELKHAKGNLQLLQ
 NCLAVLNGDT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021249

ORF Size: 870 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_021249.1](#)

RefSeq Size: 3080 bp

RefSeq ORF: 873 bp

Locus ID: 58533

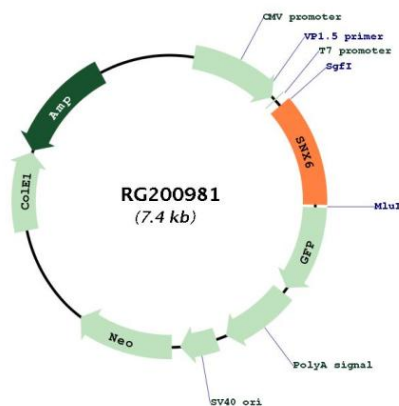
UniProt ID: [Q9UNH7](#)

Cytogenetics: 14q13.1

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

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 associates with the long isoform of the leptin receptor, the transforming growth factor-beta family of receptor serine-threonine kinases, and with receptor tyrosine kinases for platelet-derived growth factor, insulin, and epidermal growth factor. This protein may form oligomeric complexes with family member proteins through interactions of both the PX domain and the coiled coil regions of the molecules. Translocation of this protein from the cytoplasm to the nucleus occurs after binding to proviral integration site 1 protein. This gene results in two transcripts encoding two distinct isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200981