

Product datasheet for **RC200981**

SNX6 (NM_021249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX6 (NM_021249) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNX6
Synonyms:	MSTP010; TFAF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200981 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGAAGGAAGAATTCACAAAGATGAAACAGGAACTGGAAGCTGAATATTTGGCAATATTCAAGAAGA
CAGTTGCGATGCATGAAGTGTTCCTGTGTCGTGGCAGCACATCCTATTTTGAGAAGAGATTTAAATTT
CCATGCTTCTTGAATATAATCAAGATTTGAGTGTGCGAGGAAAAATAAAAAAGAGAACTTGAAGAC
TTCTTTAAAAACATGGTTAAATCAGCAGATGGAGTAATCGTTTCAGGAGTAAAGGATGTAGATGATTCT
TTGAGCACGAACGAACATTTCTTTTGAATATCATAACCGAGTTAAGGATGCATCTGCTAAATCTGATAG
AATGACAAGATCCACAAAAGTGTGCAGATGATTACAATAGAATTGGTTCTTCATTATATGCTTTAGGA
ACTCAGGATTCTACAGATATATGCAAGTTTTTCTCAAAGTTTCAGAACTGTTTCGATAAAAACAAGAAAA
TAGAAGCACGAGTGTCTGCTGATGAAGACCTCAAATTTCTGATCTTTAAAAATATTACTTAAGAGAATC
TCAAGCTGCTAAGGATCTCCTGTATCGAAGGTCTAGGTCAGTGGATTATGAAAATGCTAATAAAGCA
CTGGATAAAGCAAGACAAAAATAAAGATGTTCTACAGGCCGAACTTCCCAACAATTATGTTGTCAGA
AATTTGAAAAATATCTGAGTCTGCAAAACAAGAACTTATAGATTTTAAGACAAGAAGAGTTGCTGCATT
CAGAAAAATTTAGTGAACTGGCAGAGTTAGAAGTGAAGCATGCAAAGGTAATCTACAGTTGCTGCAG
AACTGCCTGGCAGTGTTAAATGGAGACACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200981 protein sequence
Red=Cloning site Green=Tags(s)

MTKEEFTKMKQELEAEYLAIFFKKTVMHEVFLCRVAHPILRRDLNFHFVLEYNQDLSVRGKNKKEKLED
 FFKNMVKSADGVIIVSGVKDVDDFFEHRTFLLEYHNRVKDASAKSDRMTRSHKSAADDYNRIGSSLYALG
 TQDSTDICKFFLKVSELFDKTRKIEARVSADEDLKSDLLKYYLRESQAADLLYRRSRSLVDYENANKA
 LDKARAKNKDVLQAETSQQLCCQKFEKISESAKQELIDFKTRRVAAFRKNLVELAELELKHAKGNLQLLQ
 NCLAVLNGDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6071_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021249

ORF Size: 870 bp

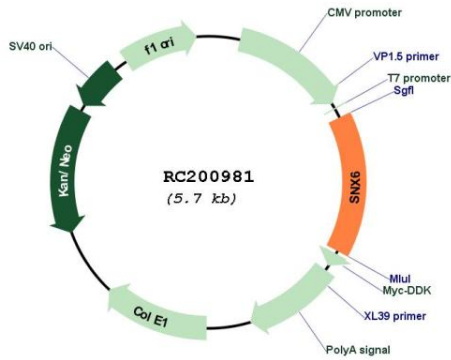
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

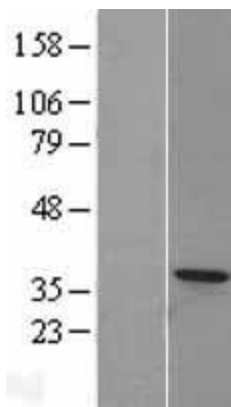
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">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
MW:	33.6 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC200981



Western blot validation of overexpression lysate (Cat# [LY402860]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200981 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).