

## Product datasheet for **RG222458**

### SNX6 (NM\_152233) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX6 (NM_152233) 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:	>RG222458 representing NM_152233 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCGCTGCGCCGGCCCTCGCCTCGGAGCAGCCATGATGGAAGGCCTGGACGACGGCCCGGACTTCC  
TCTCAGAAGAGGACCGCGGACTTAAAGCAATAAATGTAGATCTTCAAAGTGATGCTGCTCGCAGGTGGA  
CATTCTGATGCTCTTAGTGAGCGGGATAAAGTAAATCACTGTTCACACAAAGAGTTCATTGCCAAAT  
TTTAAACAAAACGAGTTTCAGTTGTTGCGCAACATGAGGAATTTATCTGGCTTCATGATTCCTTTGTTG  
AAAATGAAGACTATGCAGTTATATCATTCCACCAGCACCACCAAGACCTGATTTTGATGCTTCAAGGGA  
AAAACACAGAAGCTTGGTGAAGGAGAAGGGTCAATGACGAAGGAAGAATTCACAAAGATGAAACAGGAA  
CTGGAAGCTGAATATTTGGCAATATTCAAGAAGACAGTTGCGATGCATGAAGTGTTCCTGTGTCGTGTGG  
CAGCACATCCTATTTTGAGAAGAGATTTAAATTTCCATGTCTTCTTGGAAATAAATCAAGATTTGAGTGT  
GCGAGGAAAAAATAAAAAAGAGAACTTGAAGACTTCTTAAAAACATGGTTAAATCAGCAGATGGAGTA  
ATCGTTTCAGGAGTAAAGGATGTAGATGATTTCTTTGAGCACGAACGAACATTTCTTTGGAGTATCATA  
ACCGAGTTAAGGATGCATCTGCTAAATCTGATAGAATGACAAGATCCCACAAAAGTGCTGCAGATGATTA  
CAATAGAATTGGTTCTTCATTATATGCTTTAGGAACTCAGGATTCTACAGATATATGCAAGTTTTTTCTC  
AAAGTTTCAGAAGTGTTCGATAAAAACAAGAAAAATAGAAGCAGAGTGTCTGCTGATGAAGACCTCAAAC  
TTTCTGATCTTTAAAAATTAAGTAAAGAGAACTCAAGCTGCTAAGGATCTCCTGTATCGAAGGCTAG  
GTCAGTGTGATTATGAAAATGCTAATAAAGCACTGGATAAAGCAAGAGCAAAAAATAAAGATGTTCTA  
CAGGCCGAAACTTCCCAACAATTATGTTGTGAGAAATTTGAAAAATATCTGAGTCTGCAAAAACAAGAAC  
TTATAGATTTTAAAGACAAGAAGATTGCTGCATTCAGAAAAATTTAGTGGAACTGGCAGAGTTAGAAGT  
GAAGCATGCAAGGGTAATCTACAGTTGCTGCAGAACTGCCTGGCAGTGTAAATGGAGACACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG222458 representing NM\_152233  
Red=Cloning site Green=Tags(s)

MRACAGPRLGAAMMEGLDDGPDFLSEEDRGLKAINVDLQSDAALQVDISDALSERDKVKFTVHTKSSLPN  
 FKQNEFSVVRQHEEFIWLHDSFVENEDYAGYIIPPAPRPDFDASREKLQKLGEGECSMTKEEFTKMKQE  
 LEAEYLAIFFKKTAMHEVFLCRVAAHPILRRDLNFHVFLLEYNQDL SVRGKNKKEKLEDFFKNMVKSADGV  
 IVSGVKDVDDFFEHERTFLLEYHNRVKDASAKSDRMTRSHKSAADDYNRIGSSLYALGTQDSTDICKFFL  
 KVSELFDKTRKIEARVSADEDLKLDLLKYLLRESQAAKDLLYRRSRSLVDYENANKALDKARAKNKDVL  
 QAETSQQLCCQKFEKISESAKQELIDFKTRRVAAFRKNLVELAELELKHAKGNLQLLQNCLAVLNGDT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152233

**ORF Size:** 1254 bp

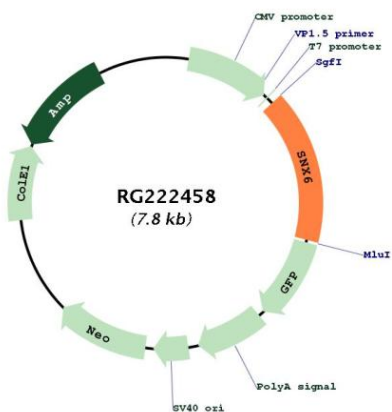
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone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

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_152233.3</a>
<b>RefSeq Size:</b>	2975 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	58533
<b>UniProt ID:</b>	<a href="#">Q9UNH7</a>
<b>Cytogenetics:</b>	14q13.1
<b>Domains:</b>	PX
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS
<b>Gene Summary:</b>	<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 RG222458