

## Product datasheet for **MG206319**

### **Snx4 (BC050851) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snx4 (BC050851) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Snx4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206319 representing BC050851 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGAAATAATTTTTGGTTGAAGAAAATAGAAATCAGTGTTTCAGAAGCAGAGAAGAGAACCGGAA  
GGAACGCCGTGAACATGCAAGAAACGTACACTGCCTACCTCATCGAGACTCGGTCAGTTGAGCATGCCGA  
TGGTCAGAGTGTGCTCACAGACTCGCTGTGGAGGCGGTACAGTGAGTTCGAGTTGTTGAGAACTACCTT  
CTAGTGTACTACCCACATGTTGTTGTGCCACCTCTCCAGAAAAGCGGGCAGAGTTTCGTGTGGCATAAAC  
TCTCTGCTGACAACATGGACCCAGACTTTGTGGAGAGACGACGCGTGGCTTAGAAAACCTCCTCTTGAG  
GGTTCTCACATCCTGTCTTTGTAGAGACAAAATCTTCTATTCTTTTAAACCCAGGAAGGTAAGTAACTGG  
AAGGAGACTGTGAATGAGACTGGATTTAGCTGAAGGCAGACTCCAGGTTAAAAGCGCTTAAATGCAACAT  
TCAGAGTGAAAAACCCAGACAAGAGGTTTACTGAGCTGAGGCACTACAGTGATGAGCTGCAGTCTGTCTCAT  
CTCGCATCTCCTTCGAGTCAGAGCTAGAGTAGCAGATCGACTCTATGGTGTATATAAAGTACATGGGAAT  
TATGGGAGAGTTTTAGTGAATGGAGTGCCATCGAAAAAGAAATGGGGATGGGCTGCAGAGTGTGGGC  
ATCACATGGACGTGTATGCATCTTCTATTGATGATTTTTGGAAGATGAAGAGCACTATGCAGATCAGCT  
GAAGGAGTATCTGTTTTATGCAGAAGCACTTCGGGCTGTGTGCAGGAAGCATGAGCTTATGCAGTATGAC  
CTGGAGACAGCTGCTCAAGACCTGGCTGCCAAGAAGCAGCAGTGCAGGAGCTGGCCACCGGACTGTGA  
GAACATTCCTCGTTGAAGGGAATGACTACCAAACCTTTTGGTCAAGAACTCCAGAGCAAAGAGAAGCCAG  
GATAAAGGTGCTAGAGGAGCAGATAAATGAAGGGGAACAGCAGCTGAAGTCTAAAAATCTGGAAGGCAGA  
GAATTTGTGAAAAATGCATGGGCTGATATTGAACGCTTCAAAGAACAAAAGAACCAGGACCTAAAGGAAG  
CTCTCATCAGCTATGCTGTGCATGCAGATCAGCATGTGCAAAAAGGGGAATTCAGGTTTGGACCAATGCTAA  
AGAATGCTTCAGCAAGATG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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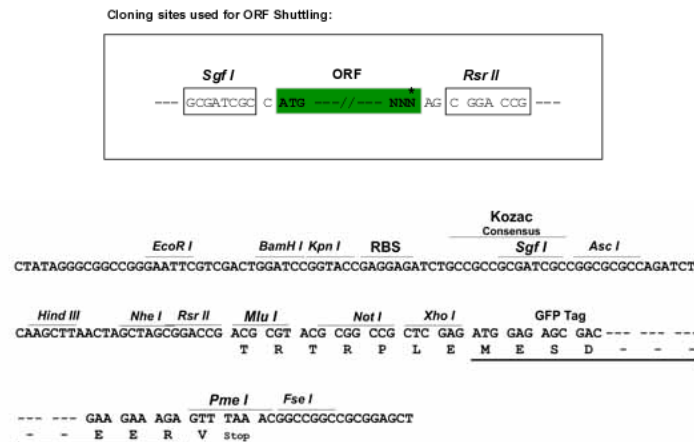
**Protein Sequence:** >MG206319 representing BC050851  
 Red=Cloning site Green=Tags(s)

MTGNNFWLKKIEISVSEAEKRTGRNAVNMQETYAYL IETRSVEHADGQSVL TDSLWRRYSEFELLRNYL  
 L VYYPHVVPPLPEKRAEFVWHKLSADNMDPDF VERRRVGLENFLLRVASHPVL CRDKIFYSFLTQEGNW  
 KETVNETGFQLKADSR LKALNATFRVKNPDKRF TELRHYSDELQSVI SHLLRVRARVADR LYGVYKVHGN  
 YGRVFSEWSAIEKEMDGLQ SAGHHMDVYASSIDDILEDEEHYADQLKEYL FYAEALRAVCRKH ELMQYD  
 LETAAQDLA AKKQCC EELATGTVRTFSLKGMTTKLFGQETPEQREARIKVL EEQINEGEQQLKSKNLEGR  
 EFVKNAWADIERFKEQKNRDLKEALISYAVMQISMCKKGIQVWTNAKECF SKM

SGP TRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** BC050851

**ORF Size:** 1211 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:** [BC050851](#)

**RefSeq Size:** 2699 bp

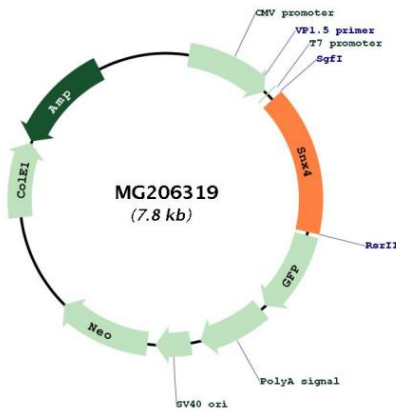
**RefSeq ORF:** 1211 bp

**Locus ID:** 69150

**Cytogenetics:** 16 B3

**Gene Summary:** Involved in the regulation of endocytosis and in several stages of intracellular trafficking. Plays a role in recycling endocytosed transferrin receptor and prevent its degradation. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206319