

## Product datasheet for **MG217347**

### Stx16 (NM\_001102423) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stx16 (NM_001102423) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stx16
Synonyms:	4930401D03; 5430410K23Rik; 6330500A18Rik; A1648908; AW553605; Syn16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217347 representing NM_001102423 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCACCAGGCGTTAAACCGACGCTTCTTGTGTGGCGGAATAATCCATCCAAACCCGGCAGCTGT  
TAGCCGAGCAAGTAGTAGTCACACCACCTCCAGCCCTCGCATTACGTAGCATTGCTGCGCTTGCTGA  
TGACCGCATGGCGCTGGTATCAGGCATCAGCCTAGATCCAGAAGCAGCAATTGGCGTGACAAAGCGGTGCG  
CCTCCAAGTGGGTGGATGGCGTGGACGAAATACAGTATGATGTTGGCCGATTAACAGAAAGATGAAGG  
AGTTAGCCAGCCTTCATGATAAGCATTTGAACAGACCCACCTGGATGACAGCAGTGAGGAGGAACATGC  
CATCGAGATCACACCCAGGAAGTCACACAGCTCTCCATAGGTGCCAGCGTGTGTGCAGGCCCTGCC  
AGCCGGGCACGAAGGGCCTGCTCGGAGCAGGAAGAGCGGCTACTGCGGAACGTGGTGGCCTCCTTGGCAC  
AGGCCCTGCAGGAGCTGTCCACCAGCTTCCGGCATGCACAGTCTGACTACCTGAAACGCATGAAAAACCG  
AGAGGAGAGATCGCAGCATTTCTTCGACACCCAGTACCACTAATGGATGATGGAGATGATGCTACTCTG  
TATGGTCAGGGCTTACGGATGACCAGCTGGTGTGGTAGAGCAAAACACACTGATGGTGGAGGAGAGGG  
AGCGAGAGATCCGTCAGATTGTGCAGTCCATTTAGACCTCAATGAAATCTTCAGGGACTTGGGAGCCAT  
GATTGTGGAGCAGGGAACAGTCCCTTGATAGAATTGACTATAATGTTGAACAGTCTGTGTCAAGACCGAA  
GATGGCTTGAAACAGCTTCAAGGCTGAGCAGTACCAGAAGAAGAACCGGAAGATGCTTGTGATCGTGA  
TCCTGGTGGCCGTCATCATAGTCCTCCTCGTGGCCCTCGTCGCCGTAAGTCTCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG217347 representing NM\_001102423  
 Red=Cloning site Green=Tags(s)

MATRRLDAFLLLRNNSIQTRQLLAEQVSSHTTSSPLHSRSIAALADDRMALVSGISLDPEAAIGVTKRS  
 PPKWVDGVDEIQYDVGRKQKMKELASLHDKHLNRPTLDDSSEEHAIEITTQEVTLFHRQRAVQALP  
 SRARRACSEQEERLLRNVVASLAQALQELSTFRHAQSDYLKRMKNREERSQHF FDT PVP LMD DGD D A T L  
 YGQGFDDQLVLVEQNTLMVEEREREIRQIVQSI SD L N E I F R D L G A M I V E Q G T V L D R I D Y N V E Q S C V K T E  
 DGLKQLHKAEQYQKKNRMLVIVILVAVIIVLLVALVAVKSR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001102423

**ORF Size:** 966 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\\_001102423.1](#), [NP\\_001095893.1](#)

**RefSeq Size:** 3756 bp

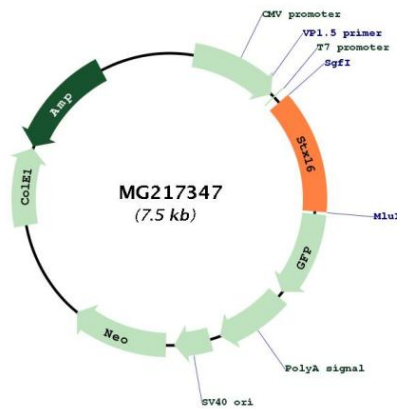
**RefSeq ORF:** 969 bp

**Locus ID:** 228960

**Cytogenetics:** 2 H4

**Gene Summary:** SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG217347