

Product datasheet for **MG215807**

Stx16 (NM_001102425) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx16 (NM_001102425) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stx16
Synonyms:	4930401D03; 5430410K23Rik; 6330500A18Rik; AI648908; AW553605; Syn16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215807 representing NM_001102425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCACCAGGCGTTAAACCGACGCTTCTTGTGTTGCGGAATAATCCATCCAAACCCGGCAGCTGT
TAGCCGAGCAACTTGCTGATGACCCGATGGCGCTGGTATCAGGCATCAGCCTAGATCCAGAAGCAGCAAT
TGGCGTGACAAAGCGGTGCCTCCCAAGTGGGTGGATGGCGTGGACGAAATACAGTATGATGTTGGCCGC
ATTAACAGAAGATGAAGGAGTTAGCCAGCCTTCATGATAAGCATTGAAACAGACCCACCCTGGATGACA
GCAGTGAGGAGGAACATGCCATCGAGATCACCCAGGAAGTCACACAGCTCTCCATAGGTGCCAGCG
TGCTGTGCAGGCCCTGCCAGCCGGGCACGAAGGCCCTGCTCGGAGCAGGAAGAGCGGCTACTGCCGAAC
GTGGTGGCCTCCTTGGCACAGGCCCTGCAGGAGCTGTCCACCAGCTTCCGGCATGCACAGCTGACTACC
TGAAACGCATGAAAAACCGAGAGGAGAGATCGCAGCATTCTTCGACACCCAGTACCACTAATGGATGA
TGGAGATGATGCTACTCTGTATGGTCAGGGCTTACGGATGACCAGCTGGTGTGGTAGAGCAAAACACA
CTGATGGTGGAGGAGGGAGCGAGAGATCCGTGAGTTGTGCAGTCCATTTAGACCTCAATGAAATCT
TCAGGGACTTGGGAGCCATGATTGTGGAGCAGGGAACAGTCCCTTGATAGAATTGACTATAATGTTGAACA
GTCCTGTGTCAAGACCGAAGATGGCTTGAACAGCTTCAACAAGGCTGAGCAGTACCAGAAGAAGAACCGG
AAGATGCTTGTGATCGTGATCCTGGTGGCCGTCATCATAGTCTCCTCGTGGCCCTCGTCGCCGTAAGT
CTCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215807 representing NM_001102425
Red=Cloning site Green=Tags(s)

MATRRLDAFLLLRNNSIQTRQLLAEQLADDRMALVSGISLDPEAAIGVTKRSPPKWVDGVDEIQYDVGR
 IKQKMKELASLHDKHLNRPTLDDSEEEHAIEITTQEVTLFHRCQRAVQALPSRARRACSEQEERLLRN
 VVASLAQALQELSTFRHAQSDYLKRMKNREERSQHFFDTPVPLMDDGDDATLYGQGFDDQLVLEQNT
 LMVEEREREIRQIVQISIDLNEIFRDLGAMIVEQGTVLDRIDYNVEQSCVKTEDGLKQLHKAEQYQKKNR
 KMLVIVILVAVIIVLLVALVAVKSR

TRTRPLE - GFP Tag - V

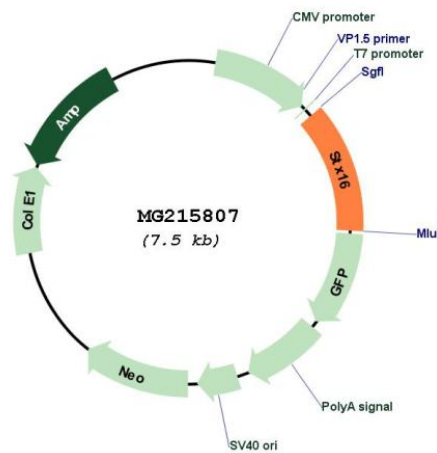
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001102425

ORF Size: 915 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_001102425.1 , NP_001095895.1
RefSeq Size:	3705 bp
RefSeq ORF:	918 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]