

Product datasheet for **MG204350**

Stx18 (BC021362) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx18 (BC021362) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stx18
Synonyms:	1810035L21Rik; 4933425D03Rik; AU041562
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204350 representing BC021362 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGTGGACATCACACTGCTCTTCCGGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTGG
GAGTGGCCGTGGGTGGCGGGCCGATGGCAGCCGGGACGAGCTGTTCCGAGAAGCCCTCGGCCAAGGG
AGACTTCTCCAGCCGGGCCCGTGAAGTGATTTCTCACATTGGGAAGCTGAGAGATTTCTCCTGGAGCAC
AGGAAGGAGTATATTAATGCCTACAGCCACACCATGTCTGACTATGGGAGGATGACAGACACAGAGCGAG
ACCAGATAGACCAGGATGCTCAGATATTCATAAGGACCTGTTGAGAAGCAATCCAGCAACTCAGAACAGA
AGGAGTGTGTAAGCTTTACTCTGAACAGAGAGCCATCCGAGTGAAGCGCGTGGTGGACAAGAAAAGACTA
TCTAAGCTGGAACCTGAGCCACATACCAAGAGGAAAGACTCCACATCTGAGAAAAGCCCTCAGAACGTTT
CCCAGGACTCTGAAGGAAAGCCTGCTGCTGAGGAGCTGCCAGAAAAGCCTTTGGCTGAATCACAGCCCGA
ACTGGGAACCTGGGGCGATGGCAAGGGTGAAGATGAGCTGTCTCCAGAAGAGATACAGATGTTTTGAACAA
GAAAATCAGCGACTCATTGGTGAATGAACAGCTTGTGTTGACGAAGTGAAGCAATCGAAGGGAAAGTGC
TTGAAATTTCCAGACTCCAAGAGATATTCACCGAAAAGTTTTGCAACAGGAAACTGAGATCGACAGCAT
TCACCAGTTAGTCGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATCCGAGAGGCCATCAA
AACAAATGCAGGTTTCCGAGTGTGGATCCTCTTCTCCTCGTATGTGTTCTTTCTTCTTCTCTCTCG
ACTGGTACGACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204350 representing BC021362
 Red=Cloning site Green=Tags(s)

MAVDITLLFRASVKTVKTRNKALGVAVGGGADGSRDELFRSPRPKGFSSRAREVISHIGKLRDFLLEH
 RKEYINAYSHTMSDYGRMTDTERDQIDQDAQIFIRTCSEAIQQLRTEGVCKLYSEQRAIRVKRVVDKKRL
 SKLEPEPHTKRKDDSTSEKAPQNVSQDSEGKPAAEELPEKPLAESQPELGTWGDGKGEDELSP EEQMFEQ
 ENQRLIGEMNSLFDEV RQIEGKVV EISRLQEIFTEKVLQQETEIDSIHQLVVGATENIKEGNEDIREAIK
 NNAGFRWILFFLV MCSFLLFLDWYDS

TRTRPLE - GFP Tag - V

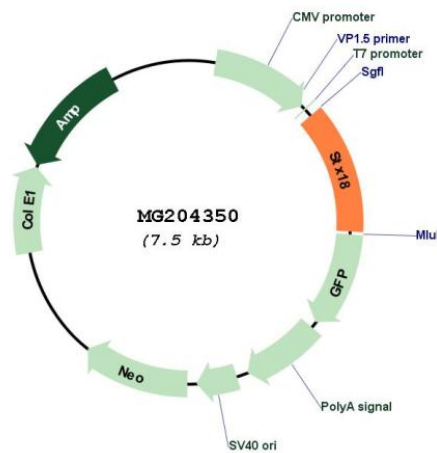
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC021362

ORF Size: 926 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:	BC021362 , AAH21362
RefSeq Size:	1521 bp
RefSeq ORF:	926 bp
Locus ID:	71116
Cytogenetics:	5 B3
Gene Summary:	Syntaxin that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]