

Product datasheet for **MG203281**

Stx6 (NM_021433) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx6 (NM_021433) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stx6
Synonyms:	2310039E05Rik; 2410005I16Rik; AA437559; AI415714; AI845861
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203281 representing NM_021433 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCATGGAGGACCCCTTCTTTGTAGTGAAGGGAGAGGTACAGAAAGCAGTCAACACTGCCCAAGGAT
TGTTTCAGAGATGGACAGAGCTCCTTCAGGGCCCTCTGCAGCAACAAGGAAGAAATCGACTGGACCAC
CAACGAGCTGAGGAACAATCTCCGAGCATAGAGTGGATCTGGAGGACCTCGATGAAACCATCAGCATA
GTTGAAGCAAATCTAGAAAATCAACTGGATGCAACTGAATTGAGCATAAGAAAAGCCTTCATCACAA
GTACTCGGCAAAATGTCAGGGACATGAAGGATCAGATGTCAGCTTCATCTGTGCAGGCACTGGCTGAAAG
GAAAAACAGACAGGCACTCCTAGGAGACAGCAGCCAGAGCTGGAATGCTGGAGTGGCAGATCGCTAT
GGGCGCCTTGACCGGGAGCTGCAGCTAGCCAACCTCCCACTTCATCGAGGAGCAGCAGGCACAGCAGCAGT
TGATTGTGGAACAGCAGGATGAGCAGTTGGAGCTGGTCTCTGGCAGCATCGGGGTGCTGAAGAACATGTC
GCAGCGCATCGGAGGGGAGCTGGAGGAACAGGCCGTATGCTAGATGATTTCTCTCACGAGTTGGAGAGC
ACTCAGTCTCGACTGGACAACGTGATGAAGAACTTGCAAAAGTGTCTCATGACCAGTGATCGGCCCC
AGTGGTGTGCCATAGCCATCCTCTTCGCGGTCTGGTGGTGTGCTGATCCTCTTCTAGTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG203281 representing NM_021433
Red=Cloning site Green=Tags(s)

MSMEDPFFVVKGEVQKAVNTAQLFQRWTELLQGPSAATREEIDWTTNELRNNLRSIEWDLEDLDEITISI
 VEANPRKFNLDATELSIRKAFITSTRQIVRDMKDQMSASSVQALAEKRNQALLGDSSSQSWNAGVADRY
 GRLDRELQLANSHFIEEQQAQQQLIVEQQDEQLELVSGSIGVLKNMSQRIGGELEEQAAMLLDDFSHELES
 TQSRLDNVMKKLAKVSHMTSDRRQWCAIAILFAVLVVVLILFLVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021433

ORF Size: 765 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_021433.3](#), [NP_067408.1](#)

RefSeq Size: 2459 bp

RefSeq ORF: 768 bp

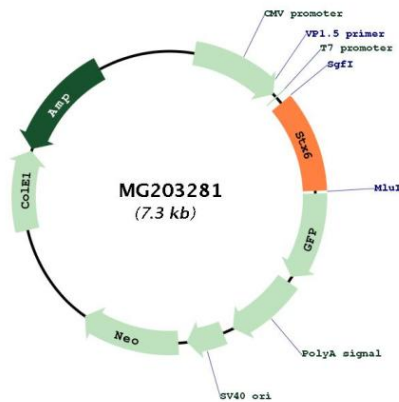
Locus ID: 58244

UniProt ID: [Q9JKK1](#)

Cytogenetics: 1 G3

Gene Summary: Involved in intracellular vesicle trafficking.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203281