

Product datasheet for **RG236105**

Syntaxin 6 (STX6) (NM_001286210) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 6 (STX6) (NM_001286210) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STX6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236105 representing NM_001286210. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAAGATCAGATGTCAACTTCATCTGTGCAGGCATTAGCTGAAAGAAAAAATAGACAGGCACTGCTG
GGAGACAGTGGCAGCCAGAAGCTGGAGCACTGGAACAACAGATAAAATATGGGCGTCTGGACCGAGAGCTC
CAGAGAGCCAATTCTCATTTCATTGAGGAGCAGCAGGCACAGCAGCAGTTGATCGTGAACAGCAGGAT
GAGCAGTTGGAGCTGGTCTCTGGCAGCATCGGGGTGCTGAAGAACATGTCCAGCGCATCGGAGGGGAG
CTGGAGGAACAGGCAGTTATGTTGGAAGATTTCTCACGAATTGGAGAGCACTCAGTCCCGCTGGAC
AATGTGATGAAGAACTGCAAAGTATCTCATATGACCAGTATCGGGCCCAATGGTGTGCCATAGCC
ATCCTCTTGCAGTCTGTTGGTTGTGCTCATCCTCTTCTTAGTGCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236105
Blue=ORF Red=Cloning site Green=Tag(s)

```
MKDQMSTSSVQALAEKRNQALLGDSGSQNWSTGTTDKYGRLDRELQRANSHFIEEQQAQQQLIVEQQD
EQLELVSGSIGVLKNMSQRIIGGELEEQAVMLEDFSHELESTQSRLDNVMKKLAKVSHMTSDRRQWCAIA
ILFAVLLVVLILFLVL
TRTRPLEMEDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

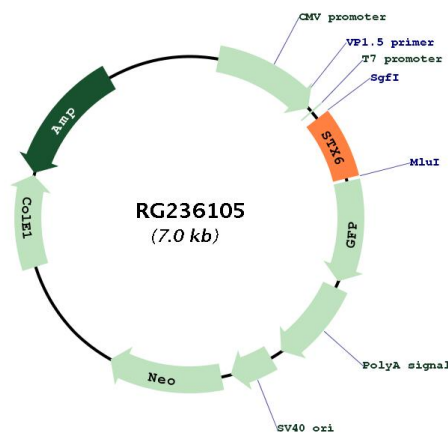


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001286210

ORF Size: 462 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).
RefSeq:	NM_001286210.1 , NP_001273139.1
RefSeq Size:	4809 bp
RefSeq ORF:	465 bp
Locus ID:	10228
UniProt ID:	O43752
Cytogenetics:	1q25.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	17.9 kDa
Gene Summary:	Involved in intracellular vesicle trafficking.[UniProtKB/Swiss-Prot Function]