

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: Syntaxin 6
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
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGATCAGATGTCAACTTCATCTGTGCAGGCATTAGCTGAAAGAAAAATAGACAGGCACTGCTG
GGAGACAGTGGCAGCCAGAAGTGGAGCACTGGAACAACAGATAAAATATGGGCGTCTGGACCGAGAGCTC
CAGAGAGCCAATTCTCATTTCATTGAGGAGCAGCAGGCACAGCAGCAGTTGATCGTGAACAGCAGGAT
GAGCAGTTGGAGCTGGTCTCTGGCAGCATCGGGGTGCTGAAGAACATGTCCAGCGCATCGGAGGGGAG
CTGGAGGAACAGGCAGTTATGTTGGAAGATTTCTCACGAATTGGAGAGCACTCAGTCCCGGCTGGAC
AATGTGATGAAGAACTGCAAAGTATCTCATATGACCAGTGATCGGCGCCAATGGTGTGCCATAGCC
ATCCTCTTGCAGTCCTGTTGGTTGTGCTCATCCTCTTCTTAGTGCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

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

```
MKDQMSTSSVQALAEKRNQALLGDSGSQNWSTGTTDKYGRLDRELQRANSHFIEEQQAQQQLIVEQQD
EQLELVSGSIGVLKNMSQRIIGGELEEQAVMLEDFSHELESTQSRLDNVMKKLAKVSHMTSDRRQWCAIA
ILFAVLLVVLILFLVL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:


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

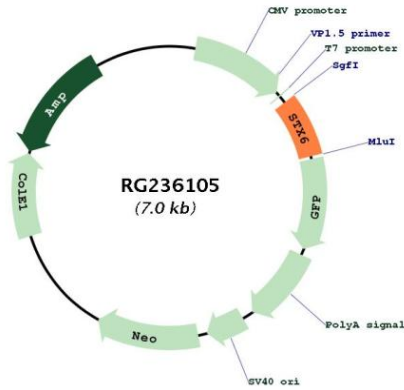
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

MW: 17.9 kDa

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

Product images:



Circular map for RG236105