

Product datasheet for **RG236670**

STX10 (NM_001271609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STX10 (NM_001271609) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STX10
Synonyms:	hsyn10; SYN10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236670 representing NM_001271609. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTCTCGAAGACCCCTTTTTGTAGTCCGAGGCGAGGTGCAGAAGGCGGTGAACACGGCCCGCGGG
CTGTACCAGCGTGGTGCAGCTCCTGCAGGAAAGCGCGCGGTCCGACGCGAGGAGCTGGACTGGACG
ACCAATGAGCTGCGGAATGGCTGCGCAGCATCGAGTGGGACCTCGAGGACCTGGAAGAGACCATCGGT
ATAGTGAAGCCAACCCAGGCAAGTTCAAGCTCCAGCCGGGACCTGCAGGAGAGAAAGGTGTTTCGTG
GAGCGGATGCGAGAGGCAGTCCAGGAAATGAAGGACCATATGGTCAGCCCAACAGCCGTAGCATTITG
GAGAGGAATAACAGAGAGATACTCGCAGGCAAGCCAGCTGCCAGAAGTCACCCAGCGACCTGCTGGAT
GCCAGCGAGTCTCGGCCACATCTCGCTACATCGAGGAGCAGCAGGCCACACAGCAGCTGATCATGGAT
GAACAGGATCAACAGCTGGAGATGGTGTCTGGGAGCATCCAGTTCTGAAGCACATGTCCGGCCCGGTT
GGAGAAGAGCTGGACGAGCAGGCATGCTGGATGCCTTCGCCCAAGAGATGGACCACACCCAGTCCCGCA
TGGACGGGGTCCCTCAGGAAGTTGGCCAAAGTATCCACAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG236670
 Blue=ORF Red=Cloning site Green=Tag(s)

MSLEDPPFVVRGEVQKAVNTARGLYQRWCELLQESA AVGREELDWTTNELRNGLRSIEWDLEDLEETIG
 IVEANPGKFKLPAGDLQERKVFVERMREAVQEMKDHMSPTAVAFLENNREILAGKPAAQKSPSDLLD
 ASAVSATSRYIEEQATQQLIMDEQDQLEMVSGSIQVLKHMSSGRVGEELDEQACWMPSPKRWTPSPA
 WTGSSGSPWKPYT

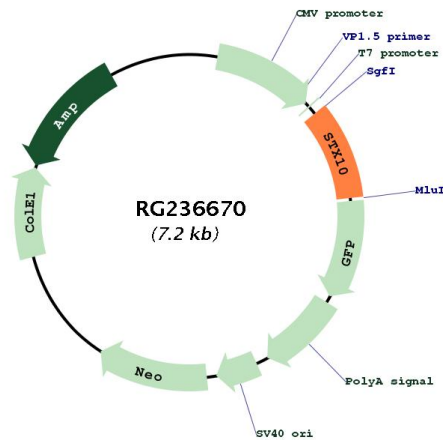
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIIRSNAVTEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271609

ORF Size:	660 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_001271609.2
RefSeq Size:	1316 bp
RefSeq ORF:	663 bp
Locus ID:	8677
Cytogenetics:	19p13.13
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	25.3 kDa
Gene Summary:	This gene belongs to the syntaxin family and encodes a soluble N-ethylmaleimide sensitive factor attachment protein receptor (SNARE). The encoded protein is involved in docking and fusion events at the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]