

Product datasheet for **RC236670**

STX10 (NM_001271609) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STX10 (NM_001271609) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STX10
Synonyms: hsyn10; SYN10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236670 representing NM_001271609
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTCGAAGACCCCTTTTTTGTAGTCCGAGGCGAGGTGCAGAAGGCGGTGAACACGGCCCGCGGGC
TGTACCAGCGCTGGTGCAGCTCCTGCAGGAAAGCGCGGTCGGACGCGAGGAGCTGGACTGGACGAC
CAATGAGCTGCGGAATGGCCTGCGCAGCATCGAGTGGACCTCGAGGACCTGGAAGAGACCATCGGTATA
GTGGAAGCCAACCCAGGCAAGTTCAAGCTCCAGCCGGGACCTGCAGGAGAGAAAGGTGTTCTGTGGAGC
GGATGCGAGAGGCAAGTCCAGGAAATGAAGGACCATATGGTCAGCCCAACAGCCGTAGCATTGTTGGAGAG
GAATAACAGAGAGATACTCGCAGGCAAGCCAGCTGCCAGAAGTCACCCAGCGACCTGCTGGATGCCAGC
GCAGTCTCGGCCACATCTCGCTACATCGAGGAGCAGCAGGCCACACAGCAGCTGATCATGGATGAACAGG
ATCAACAGCTGGAGATGGTGTCTGGGAGCATCCAGTTCTGAAGCACATGTCCGGCCGCTTGGAGAAGA
GCTGGACGAGCAGGCATGCTGGATGCCTTCGCCAAGAGATGGACCACACCCAGTCCCGCATGGACGGGG
TCCTCAGGAAGTTGCCAAAGTATCCACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236670 representing NM_001271609
Red=Cloning site Green=Tags(s)

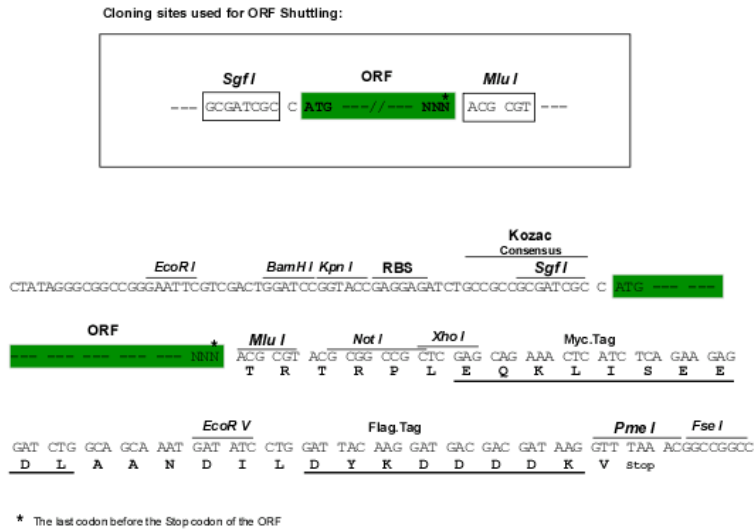
MSLEDPPFFVVRGEVQKAVNTARGLYQRWCELLQESA AVGREELDWTTNELRNGLRSIEWDLEDLEETIGI
 VEANPGKFKLPAGDLQERKVFVERMREAVQEMKDHMSPTAVAFLEARNREILAGKPAAQKSPSDLLDAS
 AVSATSRYIEEQATQQLIMDEQDQQLMVMVSGSIQVLKHMVSGRVEELDEQACWMPSPKRWTTPSPAWTG
 SSGSWPKYPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

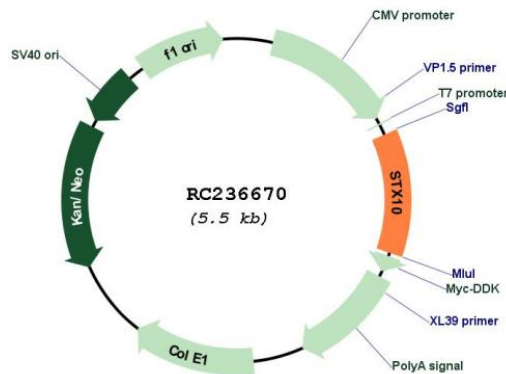
Restriction Sites:

Sgfl-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).
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:	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]