

Product datasheet for **RC236105**

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: Myc-DDK
Symbol: STX6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236105 representing NM_001286210
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGATCAGATGTCAACTTCATCTGTGCAGGCATTAGCTGAAAGAAAAATAGACAGGCACTGCTGG
GAGACAGTGGCAGCCAGAAGCTGGAGCACTGGAACAACAGATAAAATATGGGCGTCTGGACCGAGAGCTCCA
GAGAGCCAATTCATTTTCATTGAGGAGCAGCAGGCACAGCAGTTCATCGTGGAACAGCAGGATGAG
CAGTTGGAGCTGGTCTCTGGCAGCATCGGGGTGCTGAAGAACATGTCCCAGCGCATCGGAGGGGAGCTGG
AGGAACAGGCAGTTATGTTGGAAGATTTCTCTCACGAATTGGAGAGCACTCAGTCCCGGCTGGACAATGT
GATGAAGAAACTTGCAAAGTATCTCATATGACCAGTGATCGGCAGCAATGGTGTGCCATAGCCATCCTC
TTTGCAGTCTGTGGTTGTGCTCATCCTCTTCTAGTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236105 representing NM_001286210
Red=Cloning site Green=Tags(s)

MKDKMSTSSVQALAERKNRQALLGDSGSQNWSTGTTDKYGRDLRELQRANSHFIEEQQAQQQLIVEQQDE
QLELVSGSIGVLKNMSQRIGGELEEQAVMLEDFSHELESTQSRLDNVMKKLAKVSHMTSDRRQWCAIAIL
FAVLLVVLILFLVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

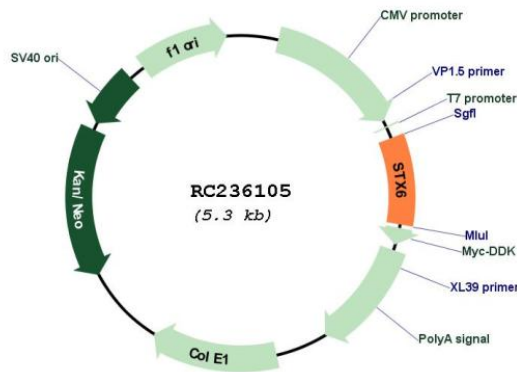


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Cloning Scheme:



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).
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:	<u>NM_001286210.1</u> , <u>NP_001273139.1</u>
RefSeq Size:	4809 bp
RefSeq ORF:	465 bp
Locus ID:	10228
UniProt ID:	<u>O43752</u>
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]