

Product datasheet for RC215143

STX10 (NM_003765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STX10 (NM_003765) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STX10
Synonyms:	hsyn10; SYN10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215143 representing NM_003765 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTCGAAGACCCCTTTTTGTAGTCCGAGGCGAGGTGCAGAAGGCGGTGAACACGGCCCGGGC
TGTACCAGCGCTGGTGCAGCTCCTGCAGGAAAGCGGGCGGTCCGACCGGAGGAGCTGGACTGGACGAC
CAATGAGCTGCGAATGGCTGCGCAGCATCGAGTGGACCTCGAGGACCTGGAAGAGACCATCGGTATA
GTGGAAGCCAACCCAGGCAAGTTCAAGCTCCAGCCGGGACCTGCAGGAGAGAAAGGTGTTCTGGAGAG
GGATGCGAGAGGCAGTCCAGGAAATGAAGGACCATATGGTCAGCCCAACAGCCGTAGCATTGTTGGAGAG
GAATAACAGAGAGATACTCGCAGGCAAGCCAGCTGCCAGAAAGTACCCAGCGACCTGCTGGATGCCAGC
GCAGTCTCGGCCACATCTCGCTACATCGAGGAGCAGCAGGCCACACAGCAGCTGATCATGGATGAACAGG
ATCAACAGCTGGAGATGGTGTCTGGGAGCATCCAGTTCTGAAGCACATGTCCGGCCCGTTGGAGAAGA
GCTGGACGAGCAGGGCATCATGCTGGATGCCTTCGCCAAGAGATGGACCACACCCAGTCCCGCATGGAC
GGGGTCTCAGGAAGTTGGCCAAAGTATCCACATGACGAGTGACCGCCGACAGTGGTGTGCCATCGCCG
TGCTAGTGGGGTGCTTCTCCTCGTTCTCATCTACTATTCTCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215143 representing NM_003765
Red=Cloning site Green=Tags(s)

MSLEDPPFFVVRGEVQKAVNTARGLYQRWCELLQESA AVGREELDWTTNELRNGLRSIEWDLEDLEETIGI
 VEANPGKFKLPAGDLQERKVFVERMREAVQEMKDHMVSP TAVAFLEARNREILAGKPA AQKSPSDLLDAS
 AVSATSRYIEEQATQQLIMDEQDQLEMVSGSIQVLKHM SGRVGEELDEQGI MLDAFAQEMDHTQSRMD
 GVLRLKAKVSHMTSDRRQWCAIAVLVGVLLLVLILLFSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1514_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_003765

ORF Size: 747 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:

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_003765.3](#)

RefSeq Size: 750 bp

RefSeq ORF: 750 bp

Locus ID: 8677

UniProt ID: [O60499](#)

Cytogenetics: 19p13.13

Domains: t_SNARE

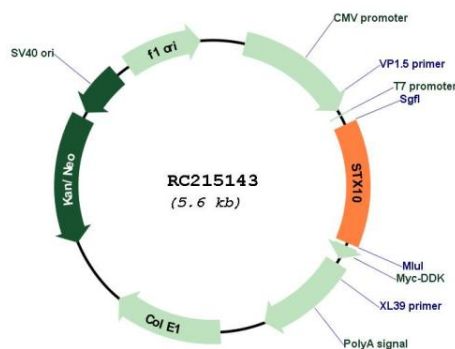
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

MW: 27.9 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]

Product images:



Circular map for RC215143