

Product datasheet for **RR205885**

Stx7 (NM_021869) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx7 (NM_021869) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205885 representing NM_021869 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCTTACACTCCGGGGATTGGTGGGGACCCTGCCAGCTGGCGCAACGCATCTCCTTAACATCCAAA
AGATCACACAGTGTCCGCGAAATACAAAGGACTCTGAATCAACTGGGAACACCTCAGGATACCCGGA
GTTGAGGCAACAGCTGCAGCAGGAGCAGCAGTACTAACCAACTGCGAAAGAAACAGATAAGTACATT
AAGGAGTTTGGCTTCTGCCACCACCCCAAGTGAACAGCGTCAAAGGAAGATACAGAAAGACCGATTGG
TGGCAGAATTCACCACAGCGCTAACAACTTTCAGAAAGTGCAGAGGCAAGCTGCTGAGAGAGAGAAAGA
GTTCTGGCCCGAGTGCAGGCCAGTTCCAGAGTATCGGGTGGCTTCTGAAGACAGCTCAAAGAGAAG
AATTTTGTATCTTGGAAAGCCAAACACAGCCTCAAGTCAAGTCCAAGATGAAGAAATCACAGAGGATG
ACCTCCGGCTCATTATGAGAGAGAGTCTTCAATCAGACAGCTGGAAGCTGACATTATGGACATTAACGA
AATATTCAAAGACTTGGGGATGATGATTCATGAACAAGGAGATGTTATTGACAGCATAGAAGCCAATGTA
GAAAGTGCAGGAAATTCACGTACAGCAGGCAAACCAGCAGCTGTCAAGAGCGGCAAATTATCAGCGCAAAT
CCAGAAAACCCCTGCATCATCTTTAATCCTGGTGGTGGAAATCGTGATCATCTTCTCATCGTATG
GGTCTGAAAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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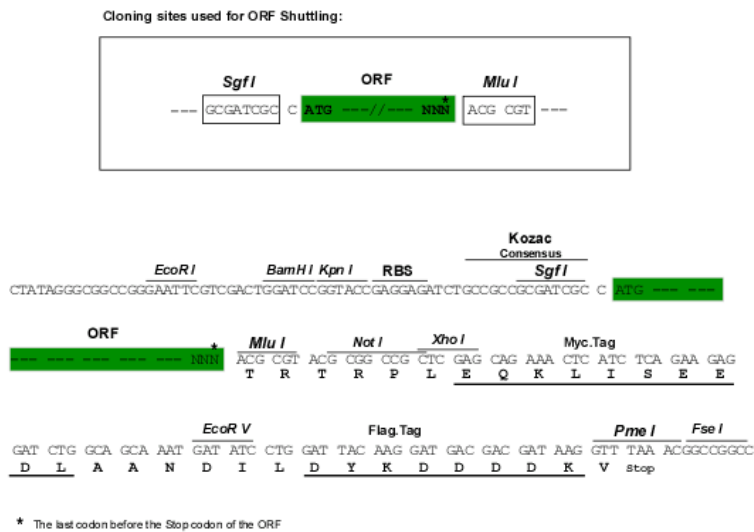
Protein Sequence: >RR205885 representing NM_021869
Red=Cloning site Green=Tags(s)

MSYTPGIGGDPAPLAQRISSENIQKITQCSAEIQRTLNLGTPQDTPELRQQLQQEQQYTNQLAKETDKYI
 KEFGFLPTTPSEQRQRKIQKDRLVAEFTTALTNFQKVQRQAAEREKEFVARVVRASSRVSGGFPEDSSKEK
 NFVSWESQTQPQVQVQDEEITEDDLRLIHERESSIRQLEADIMDINEIFKDLGMMIHEQGDVIDSIEANV
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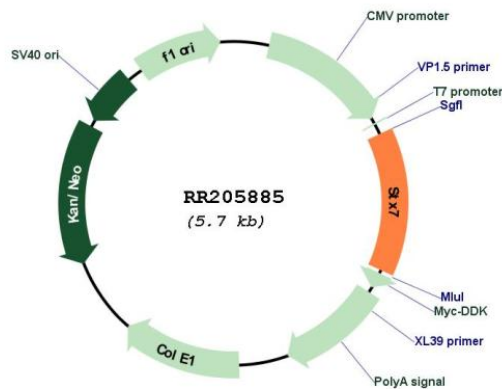
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021869

ORF Size: 783 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_021869.2 , NP_068641.2
RefSeq Size:	2103 bp
RefSeq ORF:	786 bp
Locus ID:	60466
UniProt ID:	O70257
Cytogenetics:	1p12
MW:	29.9 kDa
Gene Summary:	component of the SNARE complex; crucial for vesicle docking and fusion events with membrane; important for exocytosis and protein trafficking [RGD, Feb 2006]