

Product datasheet for **RR202563**

Stx18 (NM_001012151) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx18 (NM_001012151) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx18
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202563 representing NM_001012151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGCGGTGGACATCACACTGCTCTTCAGGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTTG
GAGTGGCCGTGGGTGGTGGAGCCGATGGCAGCCGAGCAGAGTGTCCGCAGAAGCCCTCGGCCAAAGG
AGACTTCTCCAGCCGGGCCCGTGAAGTGATTTTCATATTGGGAAGCTGAGAGATTTTCTCCTGGAACAC
AGGAAGGAGTACATTAATGCCTACAGCCACACCATGTCTGAATATGGGAGGATGACAGACACAGAGCGAG
ACCAGATAGACCAGGATGCTCAGATATTCATGCGGACCTGAAAAGACGCAATTCAGCAACTCAGAACAGA
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TACTTAAAAAGAGTGTGTAAGCTTTACTCTGAACAGAGAGCCATCCGAGTGAAACGCGTGGTGGATAAGA
AAAGACTATCTAAGCTGGAGCCTGAGCCTCATAAAAGAGGAAAGAACCCTCATCTGAGAAATCTCTCA
CAATGCTTCCAGGACTCTGAAGAAAAGCCTGCTGCTGAGGACTTGCCAGAAAAGCCTTTGGCTGAATCA
CAGCCCGAATTGGGAACCTGGGCGATGGCAAGGGTGAAGATGAGCTGTCTCCAGAAGAGATACAGATGT
TTGAACAAGAAAATCAACGACTCATTGGTGAATGAACAGCTTGTGTTGACGAAGTGAGGCAAATCGAAGG
GAAAGTCGTTGAAATTCGAGACTCCAAGAGATATTCAGTAAAAGGTTTTACAACAGGAAACCGAGATC
GACAGCATTACCCAGTTAGTTGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATACGAGAGG
CCATCAAAAACAACGCAGGCTTCCGAGTGTGGATCCTCTTCTCTCGTGATGTTCCTTTCTTCTGCT
CTTCTCGACTGGTATGACAGC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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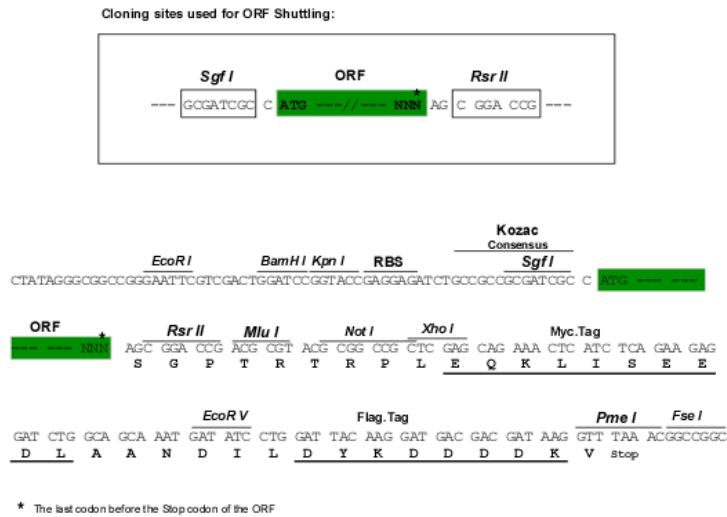
Protein Sequence: >RR202563 representing NM_001012151
Red=Cloning site Green=Tags(s)

MAVDITLLFRASVKTVKTRNKALGVAVGGGADGSRDELFRSPRPKGFSSRAREVISHIGKLRDFLLEH
 RKEYINAYSHTMSEYGRMTDTERDQIDQDAQIFMRTCKDAIQQLRTEAHKEIHSQQVKEHRTAVLDFVED
 YLKRVCCKLYSEQRAIRVVRVVDKRLSKLEPEPHTKRKEPASEKSSHNASQDSEEKPAADLPEKPLAES
 QPELGTWGDGKGEDELSP E E I Q M F E Q E N Q R L I G E M N S L F D E V R Q I E G K V V E I S R L Q E I F T E K V L Q Q E T E I
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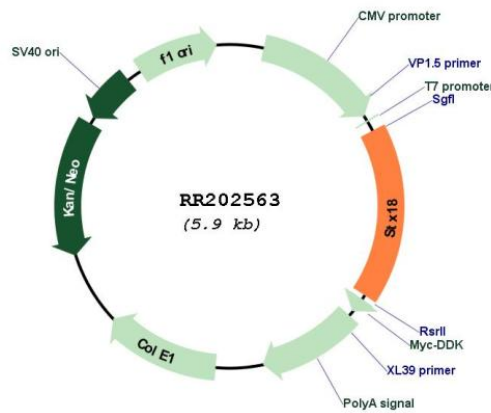
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012151

ORF Size:	1002 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_001012151.1 , NP_001012151.1
RefSeq Size:	1516 bp
RefSeq ORF:	1005 bp
Locus ID:	360953
UniProt ID:	Q68FW4
Cytogenetics:	14q21
MW:	38.5 kDa
Gene Summary:	Syntaxin that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]