

Product datasheet for **RR213435**

Stx19 (NM_001109460) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx19 (NM_001109460) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213435 representing NM_001109460 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAAGACCGACTTCAAGAGTTGAAACAGAAAACCAAGGAAATAGAACTCTCTCGGGACAGTCAGGTAT
TTGCAGAAGAGGAACAAGGGTGCTCGTCCAGCAAGCTGTTATTTATGAGAGAGAGCCTGTAGCTGAGAG
GCACCTACATGAGATCCACAACTACAGGAGAATATTAACAGCTTTGTTGATGATGTTCCACCGATTTGGA
CAGCAACAGAAAAGTCTAGTGGCTTCCATGAGAAGGTTTGTCTACTTAAAAGAGACTCTACTATTACAA
AGGAGATAAACTCCAGGCAGAACACATAAACAGAGCATTGGGTGACGTAGTAAGAGAAGTGAAAAAGTC
AGAGGTTGAAAATGGTCCATCATCAGTGATCACAGGATACTGAAGTCCCAATATGCTGCGATGTTCCGC
CGCTTCCAGCAAACCTGTTTCTATAACAATGACACAATAGCTTTAAAGCAAGAAAAGTGCAAAACATTTA
TTGTCCGTCAGCTTGAAGTGTCTGGAAGAAGTTTCTGAAGAAGAAGTGAATGACATGCTTCACCATGG
AAAATGGGAAGTTTTCAATGAAAGCTTACTTACAGAGACCAGCATGACTAAAGCACAGCTCTCGGAGATT
GAACAGAGACACAAGGAAGTTGTAATTTGGAGAACCAAGTGAAGGACCTCCGGGACCTTTTCATTGAG
TATCTCTTCTGGTAGAGGAACAAGGAGAGAGCATCAACAACATTGAGGTAATGGTGAATAGCACAAAAGA
TTATGTTAAACAACCAAAGAGAAATTTGGACTCGCTGTAAAATATAAAAGGAAAAACCCCTGCCGGCC
CTGTGCTGTTGCTGCTGCCATGCTGTGGCTCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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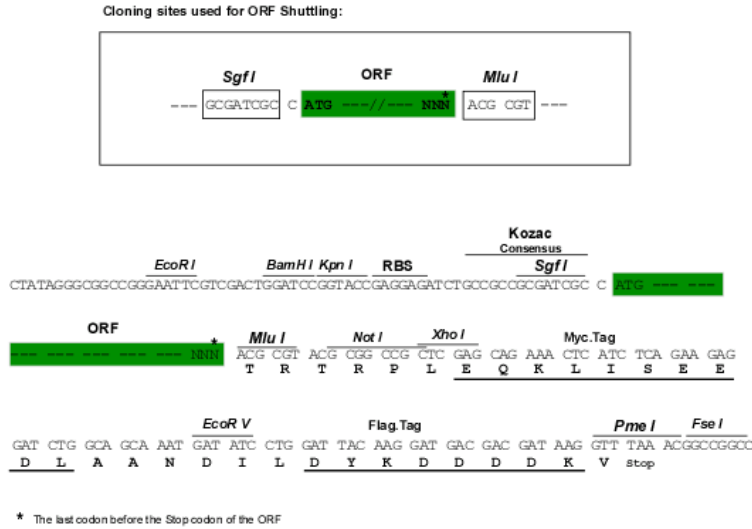
Protein Sequence: >RR213435 representing NM_001109460
Red=Cloning site Green=Tags(s)

MKDRLQELKQKTKEIELSRDSQVFAEEEQGVLVQQAVIYEREPVAERHLHEIHKLQENINSFVDDVHRFG
 QQQKSLVASMRRFSLKRDSTITKEIKLQAEHINRALGDVVREVKKSEVENGPSSVITRILKSQYAAMFR
 RFQOTLFLYNDTIALKQEKCKTFIVRQLEVSGKEVSEEEVNDMLHHGKWEVFNESLLTETSMTKAQLSEI
 EQRHKELVNLNQVKDLRDLFIQISLLVEEQGESINNIEMVMVNSTKDYNNTKEKFGGLAVKYKRKNPCRA
 LCCCCCPCGSK

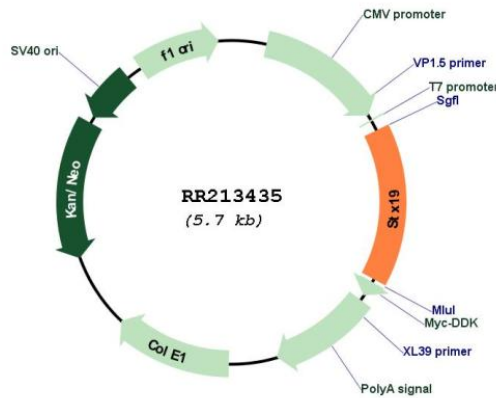
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109460

ORF Size:	876 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_001109460.1 , NP_001102930.1
RefSeq Size:	1180 bp
RefSeq ORF:	879 bp
Locus ID:	685180
Cytogenetics:	7q11
MW:	33.9 kDa