

Product datasheet for **RR204357**

Stx12 (NM_022939) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx12 (NM_022939) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204357 representing NM_022939 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTACGGTCCCTTAGACATGTATCGGAATCCCGGGCCGTCGGGGCCTCAGCCCCGTGACTTCAACA
GCATCATCCAGACATGCAGTGGCAACATCCAGCGGATCAGCCAAGCCACTGCTCAGATAAAGAATTTGAT
GAGCCAACCTTGAACTAAGCAGGACTCAAGCAAACCTCCAGGAAAATTTGCAACAGTTCCAGCACTCCACA
AATCAGCTTGCCAAGGAGACAAATGAGTTGCTGAAGGAGTTAGGGTCCTTGCCCCCTACCCTGTCTGCAT
CAGAGCAGCGCCAACAGAAGCTTCAGAAGGAGCGGCTCATGAATGACTTCTCGTCGGCCTTGAACAATTT
CCAGGTTGTGCAGAGAAAGGTATCTGAGAAGGAGAAAAGCATCGCGAGAGCGAGGGCTGGATCCCGT
CTTTCTGCAGAAGACAGGCAAAGAGAAGAGCAGCTCGTCTCATTTGACAGCCATGAGGAGTGAACCAGA
TGCAGAGCCAGGAGGAAGAGGCGGCCATCACTGAGCAAGACCTGGAACCTATTAAGAGAGGGAAACGGC
GATTCAGCAGCTGGAGGCTGACATTTGGATGTCAATCAGATCTTTAAAGACTTAGCTATGATGATCCAC
GACCAAGGTGATCTGATTGATAGCATAGAAGCCAATGTGGAAGCTCAGAGGTGCATGTGGAAGAGCCT
CTGATCAGCTACAGAGAGCTGTTACTATCAGAAAAATCTCGCAAGAAGATGTGTATCCTCGTCTTGT
CCTCTCAGTGATTGTTACAGTCTTGGTAGTTGTTATCTGGTTGCTTCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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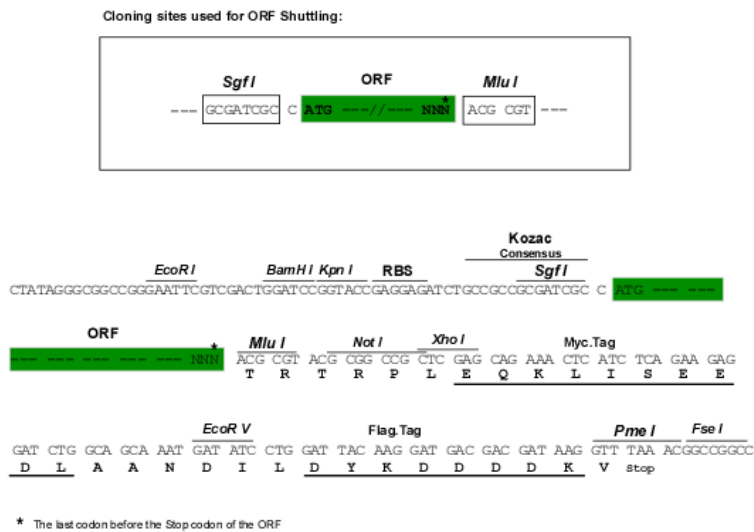
Protein Sequence: >RR204357 representing NM_022939
 Red=Cloning site Green=Tags(s)

MSYGPLDMYRNPGPSGPQPRDFNSIIQTCSGNIQRISQATAQIKNLMSQLGKQDSSKLQENLQQFQHST
 NQLAKETNELLKELGSLPLPLSASEQRQQLKQERLMNDFSSALNNFQVVQRKVSEKEKESIARARAGSR
 LSAEDRQREEQLVSFDSHEEWNQMSQEEAAITEQDLELIKERETAIQQLEADILDVNQIFKDLAMMIH
 DQGDLDISIEANVESSEVHVERASDQLQRAAYYQKKSRRKMCILVLVLSVIVTVLVVVIVWASK

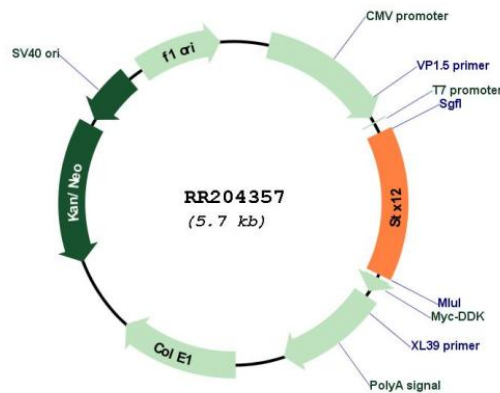
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022939

ORF Size: 822 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_022939.2 , NP_075228.2
RefSeq Size:	2313 bp
RefSeq ORF:	825 bp
Locus ID:	65033
UniProt ID:	G3V7P1
Cytogenetics:	5q36
MW:	31.2 kDa
Gene Summary:	member of the syntaxin family; binds alpha SNAP and syndet/SNAP-23 in vitro; may play a role in vesicle-mediated transport [RGD, Feb 2006]