

Product datasheet for MR219686

Stx18 (NM_026959) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Stx18 (NM_026959) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Stx18 |
| Synonyms: | 1810035L21Rik; 4933425D03Rik; AU041562 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR219686 representing NM_026959 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGACATCACACTGCTCTTCCGGGCTAGCGTCAAGACAGTGAAGACGCGGAATAAGGCTCTGG
GAGTGGCCGTGGGTGGCGGGCCGATGGCAGCCGGGACGAGCTGTTCCGAGAAGCCCTCGGCCAAAGG
AGACTTCTCCAGCCGGGCCGTAAGTATTTCTCACATTGGGAAGCTGAGAGATTTCTCTGGAGCAC
AGGAAGGAGTATATTAATGCCTACAGCCACACCATGTCTGACTATGGGAGGATGACAGACACAGAGCGAG
ACCAGATAGACCAGGATGCTCAGATATTCATAAGGACCTGTTCAGAAGCAATCCATCAACTCAGAACAGA
AGCCCACAAGGAGATACATCCAGCAAGTGAAGGAACACAGGACTGCCGTTTTGGATTTCTGTTGACGAT
TACTTAAAAAGAGTGTGTAAGCTTACTCTGAACAAAGAGCCATCCGAGTGAAGCGCGTGGTGGACAAGA
AAAGACTATCTAAGCTGGAACCTGAGCCACATACCAAGAGGAAAGACTCCACATCTGAGAAAGCCCTCA
GAACGCTTCCCAGGACTCTGAAGGAAAGCTGCTGCTGAGGAGCTGCCAGAAAAGCCTTTGGCTGAATCA
CAGCCGAACGGGAACCTGGGCGATGGCAAGGGTGAAGATGAGCTGTCTCCAGAAGAGATACAGATGT
TTGAACAAGAAAATCAGCGACTCATTGGTGAATGAACAGCTTGTGGACGAAGTGAAGCAATCGAAGG
GAAAGTCGTTGAAATTTCCAGACTCCAAGAGATATTCACCGAAAAGGTTTTGCAACAGGAAACTGAGATC
GACAGCATTCACCAAGTTAGTCGTGGGGCAACTGAAAATATTAAGGAAGGCAACGAAGACATCCGAGAGG
CCATCAAAAACAATGCAGGTTTCCGAGTGTGGATCCTCTTCTTCTCGTGATGTGTTCTTTTCTTGTCT
CTTCTCGACTGGTATGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219686 representing NM_026959
Red=Cloning site Green=Tags(s)

MAVDITLLFRASVKTVKTRNKALGVAVGGGADGSRDELFRRSRPRKGFSSRAREVISHIGKLRDFLLEH
 RKEYINAYSHTMSDYGRMTDTERDQIDQDAQIFIRTCSEAIHQLRTEAHKEIHSQQVKEHRTAVLDFVDD
 YLKRVCKLYSEQRAIRVKRVVDDKKRLSKLEPEPHTKRKDDSTSEKAPQNASQDSEGKPAEELPEKPLAES
 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
 D S I H Q L V V G A T E N I K E G N E D I R E A I K N N A G F R V W I L F F L V M C S F S L L F L D W Y D S

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1747_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026959

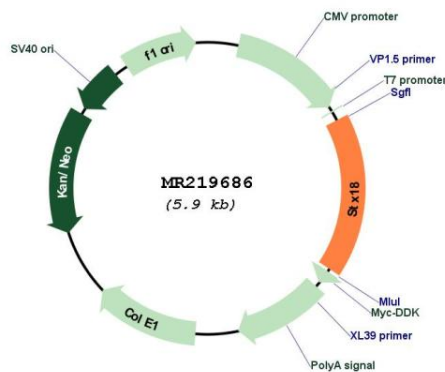
ORF Size: 1002 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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| 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_026959.3 , NP_081235.2 |
| RefSeq Size: | 1562 bp |
| RefSeq ORF: | 1005 bp |
| Locus ID: | 71116 |
| UniProt ID: | Q8VDS8 |
| Cytogenetics: | 5 B3 |
| MW: | 38.8 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] |

Product images:



Circular map for MR219686