

## Product datasheet for MR219165

### Stx11 (NM\_029075) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stx11 (NM_029075) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx11
Synonyms:	5830405C08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219165 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGATCGGCTTGCAGAGCTTCAAGAATTGTCCAGGAGCTATGACCAGCAATCCCAGATGGGGACG  
ATGACTTTGACGCTCCTCGGGAGGACATCGTGTTCGAGACCGACCACATCCTGGAGTCCTGTATAGGGT  
CATCCAGGACATCCAGGATGAAAACCAGCTGCTTCTGATAGACGTGAGGCGCCTGGGGAGGCAGAACGTC  
CGCTTCTCACGTCCATGCGGCGCCTCAGCAGCATTAAAGCGCGACACCAACTCCATCGCCAAGGCCATCA  
AGACCCGAGGCGAAGGCATCCACCAGAAGCTGCGCTCCATGAAGGAGCTGAGCGAGCAGGCCGAGGCCCG  
GCACGGCGCGCACTCGGGGGTGGCTCGCATCTCACACGCGCAGTACAGCGCGCTGGCCCGCGCTTTCCAG  
CAAGCCATGTACGAGTACAACCAGGCCGAGATGAAACAGCGCGACAACCTGCAAGATCCGCATCCAGCGGC  
AGCTGGAGATCATGGCAAGGACATGTCCGGCGAGCAGATTGAGGACATGTTTCGAGCAGGGCAAGTGGGA  
TGATTCTCCGAGAACCTGCTGGCCGACTTGAAGGGCGCGGGCTGCGCTCAACGAGATCGAGAGCCGC  
CACCGGAGCTCCTGCGCCTGGAGGGTTCGATTTCGCGATGTGCACGAGCTTCTTACAGATGGCCGTGC  
TAGTGGAGAAGCAGGAGGACACGCTGAACGTATCGAGCTAACGTGCAGAAGACCCTCGATTACACGGG  
CGAGGCCAAGGCGCAGGTGCGCAAGGCGGTGCAGTACAAGAAGAAGAACCCCTGCAGGACCATCTGCTGC  
TTCTGTTGTCCCTGTGTCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219165 protein sequence  
Red=Cloning site Green=Tags(s)

MKDRLAELQELSRSDYDQFPDGGDDDFDAPREDIVFETDHIHLESLYRVIQDIQDENQLLLIDVRRLLGRQNV  
 RFLTSMRRLSSIKRDTNSIAKAIKTRGEGIHQKLRSMKELSEQAEARHGHAHSAVARISHAQYSALARAFQ  
 QAMYEYNQAEMKQRDNCKIRIQRQLEIMGKDMSEGEIEMFEQGWDFSENLLADLKGARAALNEIESR  
 HRELLRLEGRIRDVHELFLQMAVLVEKQEDTLNVIELNVQKTLDYTGAKAQVRKAVQYKKNPCRTICCFCCPCVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_029075

**ORF Size:** 864 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:**

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\\_029075.1](#), [NP\\_083351.1](#)

**RefSeq Size:** 2396 bp

**RefSeq ORF:** 864 bp

**Locus ID:** 74732

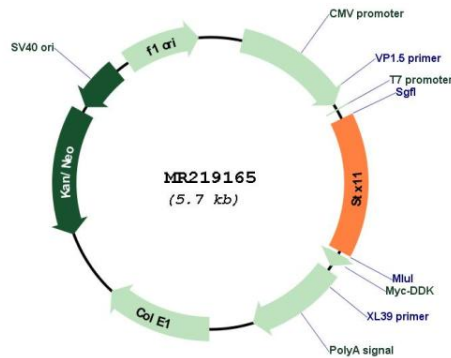
**UniProt ID:** [Q9D3G5](#)

**Cytogenetics:** 10 A2

**MW:** 33.4 kDa

**Gene Summary:** SNARE that acts to regulate protein transport between late endosomes and the trans-Golgi network.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR219165