

Product datasheet for **MC210614**

Stx17 (NM_026343) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx17 (NM_026343) Mouse Untagged Clone
Tag: Tag Free
Symbol: Stx17
Synonyms: 4833418L03Rik; 6330411F21Rik; 9030425C21Rik; AW048351
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210614 representing NM_026343
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGAAGATGAGGAAAAGGTGAAGTTACGCAGGCTTGAGCCAGCGATACAGAAATTCCTAAGATCG
TGATCCCAACAGACCTGGAGAGGCTAAGAAAACACCAGATAAACATCGAGAAGTATCAGCGGTGCAGAAT
TTGGGACAAGTTGCACGAAGAGCACATCAACGCAGGGCGCACGGTTCAGCAACTGCGCTCCAATATCCGA
GAAATGGAGAAGCTTTGCTTGAAGTGCACAAGGATGATCTGGTCTTTTGAAGCGAATGATAGATCCTG
TCAAGGAAGCAGCAGCAACAGCTACGGCAGAGTTCCTCCAGCTCCACTTGAATCTGTTGAAGAACTCAA
GAAACAAGTCAACGATGAAGAATTACTTCAGCCTTCTCTGACCAGATCCACAACCTGTTGATGGAGTGCTC
CACACTGGGGAGGCTGAAGCTGCTTCTCAGAGTCTGACTCAGATATATGCCTTGCCTGAAATTCCTCAAG
ACCAAAATGCTGCTGAGTCTGGGAAACCTTAGAAGCGGACTTAATTGAGCTGAGCCATCTGGTCACTGA
CATGTCCCTCCTAGTGAGTTCTCAGCAGGAGAAGATTGACAGCATTGCAGACCATGTCAACAGTGCCGCT
GTGAATGTTGAAGAGGGAACCAAAAACCTGCAGAAGCTGCAAAAACAAGCTGGCAGCTCTGCCTGTGG
CAGGTGCACTCATCGGAGGAGTGGTAGGGGTCATCGGCCCTCCTCGCAGGCTTCAAAGTGGCAGGAA
TGCAGTGCACCTTGGTGGTGGGGTGTAGGCTTACAGGTGGAATAATGATACAAAGAAGGAAACAGAAA
ATGATGGAGAAGCTCACTTCCAGCTGTCCAGATCTCCCTAGCCAAAGTGACAAAAACGCAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026343
Insert Size: 906 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_026343.2 , NP_080619.2
RefSeq Size:	5777 bp
RefSeq ORF:	906 bp
Locus ID:	67727
UniProt ID:	Q9D0I4
Cytogenetics:	4 B1
Gene Summary:	SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion. STX17 is a SNARE of the autophagosome involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane. May also play a role in the early secretory pathway where it may maintain the architecture of the endoplasmic reticulum-Golgi intermediate compartment/ERGIC and Golgi and/or regulate transport between the endoplasmic reticulum, the ERGIC and the Golgi (By similarity).[UniProtKB/Swiss-Prot Function]