

Product datasheet for **MC212839**

Stx16 (NM_001102425) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx16 (NM_001102425) Mouse Untagged Clone
Tag: Tag Free
Symbol: Stx16
Synonyms: 4930401D03; 5430410K23Rik; 6330500A18Rik; AI648908; AW553605; Syn16
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212839 representing NM_001102425
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTTGCGGAATAATCCATCCAAACCCGGCAGCTGT
TAGCCGAGCAACTTGCTGATGACCGCATGGCGTGGTATCAGGCATCAGCCTAGATCCAGAAGCAGCAAT
TGGCGTGACAAAGCGGTGCCTCCCAAGTGGGTGGATGGCGTGGACGAAATACAGTATGATGTTGGCCGC
ATTAAACAGAAGATGAAGGAGTTAGCCAGCCTTCATGATAAGCATTTGAACAGACCCACCCTGGATGACA
GCAGTGAGGAGGAACATGCCATCGAGATCACCACCCAGGAAGTCACACAGCTCTCCATAGGTGCCAGCG
TGCTGTGCAGGCCCTGCCAGCCGGGCACGAAGGGCCTGCTCGGAGCAGGAAGAGCGGCTACTGCCGAAC
GTGGTGGCCTCCTTGGCACAGGCCCTGCAGGAGCTGTCCACCAGCTTCCGGCATGCACAGTCTGACTACC
TGAAACGCATGAAAAACCGAGAGGAGAGATCGCAGCATTCTTCGACACCCAGTACCACTAATGGATGA
TGGAGATGATGCTACTCTGTATGGTCAGGGCTTACGGATGACCAGCTGGTGGTGGTAGACAAAACACA
CTGATGGTGGAGGAGAGGAGCGAGAGATCCGTCAGATTGTGCAGTCCATTTAGACCTCAATGAAATCT
TCAGGGACTTGGGAGCCATGATTGTGGAGCAGGAACAGTCCTTGATAGAATTGACTATAATGTTGAACA
GTCCTGTGTCAAGACCGAAGATGGCTTGAACAGCTTCAACAAGGCTGAGCAGTACCAGAAGAAGACCGG
AAGATGCTTGTGATCGTATCCTGGTGGCCGTCATCATAGTCTCCTCGTGGCCCTCGTCCCGTAAAGT
CTCGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001102425
Insert Size: 918 bp



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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:	<u>NM_001102425.1</u> , <u>NP_001095895.1</u>
RefSeq Size:	3705 bp
RefSeq ORF:	918 bp
Locus ID:	228960
Cytogenetics:	2 H4
Gene Summary:	SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) uses an alternate in-frame splice junction and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (d) has the same N- and C-termini but is shorter compared to isoform a.