

## Product datasheet for MC212838

### Stx16 (NM\_001102424) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx16 (NM\_001102424) 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:** >MC212838 representing NM\_001102424  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTTGCGGAATAATTCATCCAAACCCGGCAGCTGT  
 TAGCCGAGCAAGAGCTGGACGAGCTTGCTGATGACCGCATGGCGCTGGTATCAGGCATCAGCCTAGATCC  
 AGAAGCAGCAATTGGCGTGACAAAGCGGTCGCCTCCCAAGTGGGTGGATGGCGTGGACGAAATACAGTAT  
 GATGTTGGCCGATTAACAGAAAGATGAAGGAGTTAGCCAGCCTTCATGATAAGCATTGTAACAGACCCA  
 CCCTGGATGACAGCAGTGAAGGAAACATGCCATCGAGATCACCACCCAGGAAGTACACAGCTCTTCCA  
 TAGGTGCCAGCGTGTGTGCAGGCCCTGCCAGCCGGGCACGAAGGGCCTGCTCGGAGCAGGAAGAGCGG  
 CTAAGCGGAACGTGGTGGCCTCCTTGGCACAGGCCCTGCAGGAGCTGTCCACCAGCTTCCGGCATGCAC  
 AGTCTGACTACCTGAAACGCATGAAAACCGAGAGGAGAGATCGCAGCATTTCTTCGACACCCAGTACC  
 ACTAATGGATGATGGAGATGATGCTACTCTGTATGGTCAGGGCTTCACGGATGACCAGCTGGTGTGGTA  
 GAGCAAAACACACTGATGGTGGAGGAGGGAGCGAGAGATCCGTCAGATTGTGCAGTCCATTTAGACC  
 TCAATGAAATCTTCAGGGACTTGGGAGCCATGATTGTGGAGCAGGAACAGTCCCTGATAGAATTGACTA  
 TAATGTTGAACAGTCTGTGTAAGACCGAAGATGGCTTGAACAGCTTACAAGGCTGAGCAGTACCAG  
 AAGAAGAACCGAAGATGCTTGTGATCGTATCCTGGTGGCCGTCATCATAGTCTCCTCGTGGCCCTCG  
 TCGCCGTAAGTCTCGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001102424  
**Insert Size:** 930 bp



[View online »](#)

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001102424.1</a></u> , <u><a href="#">NP_001095894.1</a></u>   |
| <b>RefSeq Size:</b>           | 3717 bp   |
| <b>RefSeq ORF:</b>            | 930 bp  |
| <b>Locus ID:</b>              | 228960  |
| <b>Cytogenetics:</b>          | 2 H4  |
| <b>Gene Summary:</b>          | SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network. [UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (3) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform a.   |