

## Product datasheet for MC218742

### Stx5a (NM\_001167799) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stx5a (NM\_001167799) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Stx5a  
**Synonyms:** 0610031F24Rik; D19Erttd627e; Stx5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC218742 representing NM\_001167799  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATCCCGCGGAAACGCTACGGATCTAAGAACACGGATCAGGGTGTCTACCTGGTCTCTCAAAGACAC  
AGGTTCTGTCCCCTGCAACTGCTATCAGTAGCAGCAGTGACAGCACTCCTTTGCCACTCCGGTGGCCCT  
GGTCCCCTCCCCTCCCGACACCATGTCTGCCGGATCGGACCCAGGAGTCCAGTCTGCCTGCAAGTCC  
CTGCAGAGCCGTGAGAATGGAATCCAAACAAGCAAACCGGCTCTGCACGCAGCCGACAGTGCAGTGAAT  
TTACCCTCATGGCCAGGCGCATTGGGAAAGATCTCAGCAATACATTTGCCAAGCTGGAGAAGCTAACAAT  
CTTGGCAAAGCGCAAGTCCCTCTTTGATGATAAAGCAGTAGAAATTTGAGGAGCTAACATACATCAAAA  
CAGGATATCAATAGCCTCAACAAACAAATTGCTCAGCTTCAAGATTTTGTGAGGGCCAAGGGCAGCCAGA  
GTGGCCGGCATCTGCAGACCCATTCTAACACCATTTGTGGTTTTCGTTGCAGTCAAAGCTGGCTTCTATGTC  
CAATGACTTCAAGTCAGTTCTAGAAGTGAGGACTGAGAATCTGAAACAGCAGAGGAACCGTCGGGAACAG  
TTCTCCAGGGCACCAGTGTGAGCCCTGCCTTTGCCCAACAACCTTGGAGTGGTCCCATAATTTTGG  
GAGCAGAGTCCCGAGCTCCAGGGACGTGGCTATTGACATGATGGACCCTAGAACAAGCCAGCAGCTTCA  
GCTCATTGATGAGCAGGATTCTACATCCAGAGTCGGGCAGACCATGCAGAACATTGAGTCTACAATC  
GTTGAGCTGGGCTCCATTTTTCAGCAATTGGCACACATGGTTAAAGAACAGGAGGAAACGATTTCAGAGGA  
TCGACGAGAATGTGCTTGGAGCCAGCTGGATGTGGAGGCAGCCATTTCAGAGATCCTCAAGTACTTCCA  
GTCAGTTACCTCCAATCGGTGGCTCATGGTCAAAATCTTCTCATCTCATTGTCTTCTTCATCATCTTT  
GTGGTCTTCTTGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001167799



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|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 1068 bp   |
| <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>NM_001167799.1, NP_001161271.1</u>   |
| <b>RefSeq Size:</b>           | 1829 bp   |
| <b>RefSeq ORF:</b>            | 1068 bp   |
| <b>Locus ID:</b>              | 56389   |
| <b>UniProt ID:</b>            | <u>Q8K1E0</u>   |
| <b>Cytogenetics:</b>          | 19 A  |
| <b>Gene Summary:</b>          | <p>Mediates endoplasmic reticulum to Golgi transport. Together with p115/USO1 and GM130/GOLGA2, involved in vesicle tethering and fusion at the cis-Golgi membrane to maintain the stacked and inter-connected structure of the Golgi apparatus.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein. CCDS Note: he coding region has been updated to extend the N-terminus to one that is supported by available conservation data. The use of an alternative upstream start codon would result in a protein that is 54 aa longer.</p> |