

Product datasheet for MR215807

Stx16 (NM_001102425) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx16 (NM_001102425) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stx16
Synonyms:	4930401D03; 5430410K23Rik; 6330500A18Rik; A1648908; AW553605; Syn16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215807 representing NM_001102425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTTGCGGAATAATTCCATCCAAACCCGGCAGCTGTAGCCGAGCAACTTGCTGATGACCGCATGGCGCTGGTATCAGGCATCAGCCTAGATCCAGAAGCAGCAATTGGCGTGACAAAGCGGTGCCTCCCAAGTGGGTGGATGGCGTGGACGAAATACAGTATGATGTTGGCCGATTAACAGAAGATGAAGGAGTTAGCCAGCCTTCATGATAAGCATTGAACAGACCCACCCTGGATGACAGCAGTGAGGAGAACATGCCATCGAGATCACACCCAGGAAGTCACACAGCTCTCCATAGGTGCCAGCGTGTGTGACAGGCCCTGCCAGCCGGCAGCAAGGGCCTGCTCGGAGCAGGAAGAGCGGCTACTGCCGAACTGGTGGCCTCCTTGGCACAGGCCCTGCAGGAGCTGTCCACCAGCTTCCGGCATGCACAGCTGACTACCTGAAACGCATGAAAAACCGAGAGGAGAGATCGCAGCATTCTTCGACACCCAGTACCACTAATGGATGATGGAGATGATGCTACTCTGTATGGTCAGGGCTTACGGATGACCAGCTGGTGGTGGTAGAGCAAAACACACTGATGGTGGAGGAGGGAGCGAGAGATCCGTCAGATTGTGCAGTCCATTTAGACCTCAATGAAATCTCAGGGACTTGGGAGCCATGATTGTGGAGCAGGAACAGTCCTTGATAGAATTGACTATAATGTTGAACAGTCCTGTGTCAAGACCGAAGATGGCTTGAACAGCTTCAAGGCTGAGCAGTACCAGAAGAAGAACCAGAGATGCTTGTGATCGTATCCTGGTGGCCGTCATCATAGTCTCCTCGTGGCCCTGTGCGCGTAAAGTCTCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR215807 representing NM_001102425
Red=Cloning site Green=Tags(s)

MATRRLDAFLLLRNNSIQTRQLLAEQLADDRMALVSGISLDPEAAIGVTKRSPPKWVDGVDEIQYDVGR
 IKQKMKELASLHDKHLNRPTLDDSSSEEEHAIEITTQEVTLFHRCQRAVQALPSRARRACSEQEERLLRN
 VVASLAQALQELSTFRHAQSDYLKRMKNREERSQHFFDTPVPLMDDGDDATLYGQGFDDQLVLEQNT
 LMVEEREREIRQIVQISIDLNEIFRDLGAMIVEQGTVLDRIDYNVEQSCVKTEDGLKQLHKAQYQKKNR
 KMLVIVILVAVIIVLLVALVAVKSR

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_001102425

ORF Size: 915 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_001102425.1](#), [NP_001095895.1](#)

RefSeq Size: 3705 bp

RefSeq ORF: 918 bp

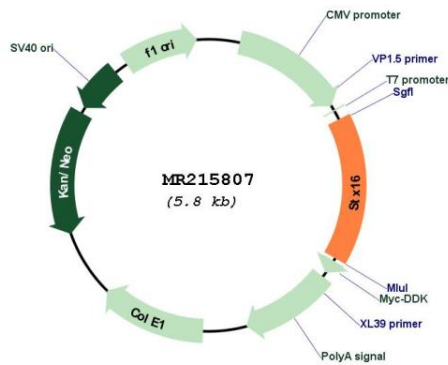
Locus ID: 228960

Cytogenetics: 2 H4

MW: 35.3 kDa

Gene Summary: SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215807