

Product datasheet for MR215797

Stx16 (NM_001102424) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx16 (NM_001102424) 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: >MR215797 representing NM_001102424
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTTGCGGAATAATTCCATCCAAACCCGGCAGCTGT
TAGCCGAGCAAGAGCTGGACGAGCTTGCTGATGACCGCATGGCGTGGTATCAGGCATCAGCCTAGATCC
AGAAGCAGCAATTGGCGTGACAAAGCGGTCGCCTCCCAAGTGGGTGGATGGCGTGGACGAAATACAGTAT
GATGTTGGCCGATTAACAGAAGATGAAGGAGTTAGCCAGCCTTCATGATAAGCATTGAAACAGACCCA
CCCTGGATGACAGCAGTGAGGAGGAACATGCCATCGAGATCACCACCCAGGAAGTCACACAGCTCTCCA
TAGGTGCCAGCGTGTGTCAGGCCCTGCCAGCCGGGCACGAAGGGCCTGCTCGGAGCAGGAAGAGCGG
CTACTGCGGAACGTGGTGGCCTCCTTGGCACAGGCCCTGCAGGAGCTGTCCACCAGCTTCCGGCATGCAC
AGTCTGACTACCTGAAACGCATGAAAAACCGAGAGGAGAGATCGCAGCATTTCTTCGACACCCAGTACC
ACTAATGGATGATGGAGATGATGCTACTCTGTATGGTCAGGGCTTACGGATGACCAGCTGGTGTGGTA
GAGCAAAACACTGATGGTGGAGGAGAGGGAGCGAGAGATCCGTGAGATTGTGCAGTCCATTTAGACC
TCAATGAAATCTTCAGGGACTTGGGAGCCATGATTGTGGAGCAGGGAACAGTCCCTTGATAGAATTGACTA
TAATGTTGAACAGTCTGTGTCAAGACCGAAGATGGCTTGAACAGCTTCAACAAGGCTGAGCAGTACCAG
AAGAAGAACCAGGAGATGCTTGTGATCGTATCCTGGTGGCCGTATCATAGTCCCTCGTGGCCCTCG
TCGCCGTAAGTCTCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215797 representing NM_001102424
Red=Cloning site Green=Tags(s)

MATRRLLDAFLLLRNNSIQTRQLLAEQELDELADDRMALVSGISLDPEAAIGVTKRSPKWWVDGVDEIQY
 DVGRIKQKMKELASLHDKHLNRPDLDDSSSEEHAIETTTQEVTLFHRQCRAVQALPSRARRACSEQEER
 LLRNVVASLAQALQELSTFRHAQSDYLRMKNRREERSQHFFDTPVPLMDDGDDATLYGQGFDDQLVLV
 EQNTLMVEEREREIRQIVQISIDLNEIFRDLGAMIVEQGTVLDRIDYNVEQSCVKTEDGLKQLHKAEQYQ
 KKNRKMLVIVILVAVIIVLLVALVAVKSR

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_001102424

ORF Size: 927 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_001102424.1](#), [NP_001095894.1](#)

RefSeq Size: 3717 bp

RefSeq ORF: 930 bp

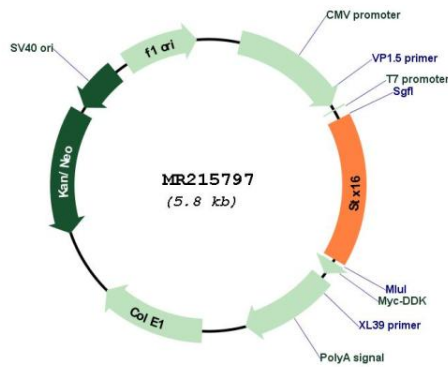
Locus ID: 228960

Cytogenetics: 2 H4

MW: 35.8 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 MR215797