

Product datasheet for **MR221576**

Stx7 (NM_016797) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx7 (NM_016797) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stx7
Synonyms: AI315064; AI317144; AW107239; Syn7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221576 representing NM_016797
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTTACACTCCGGGGATTGGTGGGGACTCTGCGCAGCTAGCACAACGCATCTCCTAACATCCAAA
AGATCACACAATGCTCCGTGAAATACAAAGGACTCTGAATCAACTTGGAACACCTCAAGACTCACCGGA
ACTGAGGCAACAGCTGCAGCAGAAGCAGCAGTATACTAACCAACTTGCAGAAAGAAACCGATAAGTACATT
AAAGAGTTTGGCTCTCTGCCACCACCCCAAGTGAGCAGCGTCAGAGAAAGATACAGAAAGACCGATTAG
TGGCAGAGTTCACCACATCGCTGACAACTTCCAGAAGGCCAGAGGCAGGCTGCTGAGAGAGAGAAAGA
GTTTCGTTGCTCGAGTGCAGCCAGCTCCAGGGTATCGGGTGGTTTTCTGAAGACAGCTCAAAGAAAAG
AATCTTGTATCCTGGAAAGCCAAACACAGCCTCAAGTGCAAGTCCAAGATGAAGAAATCACAGAGGATG
ACCTCCGACTCATTATGAGAGAGAGTCTTCAATCAGGCAGCTGGAAGCTGATATTATGGACATTAATGA
AATATTTAAAGACTTGGGGATGATGATTCATGAACAAGGCATATGATTGACAGCATAGAAGCCAATGTA
GAAAGTGCAGGAGTTCACGTTCAACAGGCAAACAGCAGCTGTCAAGAGCGGCAGACTATCAGCGCAAT
CCAGGAAAACCTCTGCATTATCATTATCTCTCGTGGTCCGAAATCGTGATCATCTGTCTCATCGTATG
GGGACTGAAAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR221576 representing NM_016797
Red=Cloning site Green=Tags(s)

MSYTPGIGGDSAQLAQRISSENIQKITQCSVEIQRTLNLGTPQDSPELRQQLQQKQYTNQLAKETDKYI
 KEFGSLPTTPSEQRQRKIQRDLVAEFTTSLTNFQKAQRQAAEREKEFVARVSRVSGGFPEDSSKEK
 NLVSWESQTQPQVQVQDEEITEDDLRLIHERESSIRQLEADIMDINEIFKDLGMMIHEQGDMIDSIEANV
 ESAEVHVQQANQQLSRAADYQRKSRKTLCTIIIFILVVGIVIIICLIWGLKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016797

ORF Size: 783 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_016797.5](#)

RefSeq Size: 2500 bp

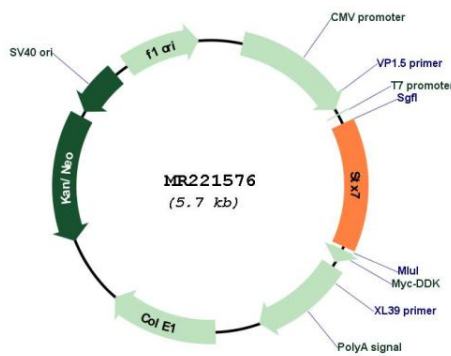
RefSeq ORF: 786 bp

Locus ID: 53331

Cytogenetics: 10 A4

MW: 30.2 kDa

Product images:



Circular map for MR221576