

Product datasheet for **MR228845**

Stx2 (NM_001286034) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx2 (NM_001286034) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stx2
Synonyms: AW538950; Epim; G1-536-1; repro34; Syn-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228845 representing NM_001286034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGGTTTCTCCATCAGGTAGAGGAGATTCGAAGCAGCATAGCCAGGATTGCTCAGCATGTAGAAG
ACGTGAAGAAGAACCACAGCATCATCTGTCTGCTCAAACCCAGAAGGAAAAATAAAAGAAGAGCTGGA
GGACCTGAACAAAGAGATCAAGAAAAGCTAACAGGATCCGGGGCAAGCTGAAGTCTATTGAGCAGAGC
TGTGATCAGGACGAGAATGGGAACCGAAGTTCAGTGGATCTGCGGATACGAAGGACCCAGCACTCGGTGC
TGTCACGGAAGTTTGTGGACGTCATGACAGAATACAATGAAGCGCAGATCCTGTTCCGGGAGCGAAGCAA
AGGCCGCATCCAGCGCCAGCTGGAGATCACTGGGAGGACCACCACTGACGACGAGCTGGAAGAGATGCTG
GAGAGCGGGAAGCCGTCCATCTTCATCTCGGATATTATATCAGATTCACAAATCACTAGGCAAGCTCTCA
ATGAGATCGAGTCCCGCCACAAAGACATCATGAAGCTGGAGACCAGCATCCGAGAGCTGCACGAGATGTT
CATGGATATGGCCATGTTTGTGCGAGACTCAGGGTGAATGGTCAACAACATCGAGAGAAATGTGGTGAAC
TCTGTAGATTACGTGGAACATGCCAAGGAAGAGACGAAGAAAGCCATCAAATACCAGAGCAAGGCCAGGC
GGAAGGTGATGTTGCTCCTCATTGTGTAGTCACTTTGCTTGTGATCCTTGAATTATTCTCGCAACAGC
ATTGTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228845 representing NM_001286034
Red=Cloning site Green=Tags(s)

MDGFFHQVEEIRSSIARIAQHVEDVKNHSIILSAPNPEGKIKEELEDLNKEIKKTANRIRGKLKSIEQS
 CDQDENGNRTSVDLRIRRTQHSVLSRKFDVMEYNEAQILFRERSKGRIQRQLEITGRITTDDELEML
 ESGKPSIFISDII SDSQITRQALNEIESRHKDIMKLETSIRELHEMFMDMAMFVETQ GEMVNNIERNVVN
 SVDYVEHAKEETKKAIKYQSKARRKVMFVLICVTVLLVILGIILATALS

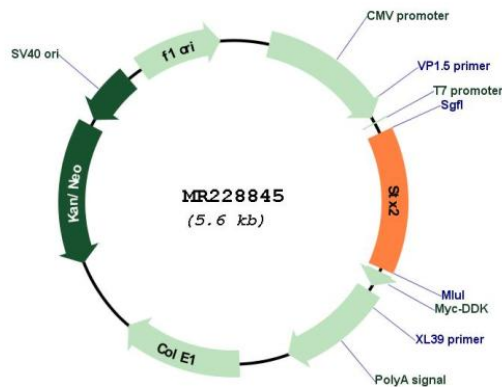
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286034
ORF Size: 777 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:	<ol style="list-style-type: none">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_001286034.1 , NP_001272963.1
RefSeq Size:	2807 bp
RefSeq ORF:	780 bp
Locus ID:	13852
Cytogenetics:	5 67.99 cM
MW:	30.4 kDa