

Product datasheet for **RN205544**

Stx2 (NM_012748) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stx2 (NM_012748) Rat Untagged Clone
Tag: Tag Free
Symbol: Stx2
Synonyms: Epim
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205544 representing NM_012748
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCGGGACCGGCTGCCGGACCTCACGGCGTGTAGGAAAAGCGACGATGGAGACAATGCTGTCATCATCA
CGGTGGAGAAGGACCACTTCATGGATGCCTTCTCCATCAGGTGGAGGAGATTGAAGCAGCATAGCCAG
GATTGCTCAGCAGTGGAGGATGTGAAGAAGAACCACAGCATCATCCTCTCTGCCCAAACCCAGAAGGA
AAAATAAAAGAAGAGCTGGAGGACCTGAACAAAGAGATCAAGAAAACCTGCTAACAGGATCCGGGGCAAGC
TGAAGGCTATTGAGCAGAGTTGTGATCAGGACGAGAATGGGAACCGAACTTCAGTGGATCTGCGGATACG
AAGGACCCAGCACTCAGTGTGTACGGAAGTTTGTGGACGTCATGACAGAATACAATGAAGCACAGATC
CTGTTTCGGGAGCGAAGCAAAGGCCGAATCCAGCGCCAGCTAGAGATCACTGGGAGGACCACCACTGACG
AGGAGCTGGAGGAGATGCTGGAGAGCGGGAAGCCGTCATCTTCATCTCGGACATTATATCAGATTCACA
GATTACTAGGCAAGCTCTCAATGAGATCGAGTCACGCCACAAAGACATCATGAAGCTGGAGACCAGCATC
CGAGAGCTGCACGAGATGTTTATGGATATGGCCATGTTTGTGCGAGACTCAGGGTGAATGGTCAACAACA
TTGAGAGAAACGTGGTGAACCTCCGTAGATTACGTGGAGCAGCCAAGGAAGAGACTAAGAAGCCATCAA
ATACCAGAGCAAGGCCAGACGGAAAAAGTGGATAATTGCTGCTGTGGTGGTGGCTGTCTTGTCTGCTG
GCTCTAATCATTGGCTTGACGGTTGGCAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012748
Insert Size: 873 bp



OTI Disclaimer:	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).
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_012748.1 , NP_036880.1
RefSeq Size:	911 bp
RefSeq ORF:	873 bp
Locus ID:	25130
UniProt ID:	P50279
Cytogenetics:	12q13
Gene Summary:	Essential for epithelial morphogenesis. May mediate Ca(2+)-regulation of exocytosis acrosomal reaction in sperm.[UniProtKB/Swiss-Prot Function]