

## Product datasheet for **SC213664**

### Syntaxin 1a (STX1A) (NM\_001165903) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Syntaxin 1a (STX1A) (NM_001165903) Human 3' UTR Clone
Symbol:	Syntaxin 1a
Synonyms:	HPC-1; P35-1; STX1; SYN1A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001165903
Insert Size:	1292 bp



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**Insert Sequence:** >SC213664 3'UTR clone of NM\_001165903  
 The sequence shown below is from the reference sequence of NM\_001165903. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGAGCAAGGCGCGCCGGAAGAAAATCATGATCATCATCTGCTGTGTGATCCTGGGCATCGTCATCGCCT
CCACTGTTGGGGGCATCTTCGCCTAGAAGCCACCCAAACTGCCACTCCACTCCAGGTGGGCCACTCCAA
GGAGGCCCTGGCTGCTGCCACCTGGCTGGGCTGCCCTCCCAACCCCGCCTCTGGCTCAGAGCACCTC
CCTCCCGGCCCATGCTCCCTTCTCTGCCATGGGCCCTCCGTCCCCGCCCGTGTGTGTGCATGATC
TCTGTGAGTGTGCGTCTGTACGGGAAGAGGCAGAGGGAGGCAGCCAGCGGGGCGTGATGCAGTGTGCAC
AGCGAGGAGCAGACCCAGGCAGGGCCGCGAGGTGACACAGGCCACCCTTCTTGCCTTCAGTAACCTCG
GTGGGCCAGGTTCTGCTCTTCCCTGGGACCCTAACCTCGCCTCCAGCTGACCTGCCCTGTCTCTCC
AGCTGTCCCAAGCAGAGCCCTGAGGGGTGGGACCAGCTGGCCACATGGTGTGCTTTTCAGGTTA
GGGAGAGGTGGCCCTGAGGGACAGCCAGCTCTGAGTCTCAGTCGCTGATCACTGCCAGGGAGGCTCA
GGCTGCCATGGCTCCAGGCTCCCTCCCTGCCCTAGGGGCAAAGTCCATCGGGTCTGGGCCCTCAGCTTC
CCTTCCACATTCTCCGGCCCCAGGAGCAACCCCTTGGGCTAGGTCTGACCCAGGTGTCCCTCTGGA
AGGGGCTGGCTGGTGCCCTATTTCCAGCCACCCAGCAGCTAGGGAGGCAAAGCAGGCTGCAGTCAGTC
CCTCAAGCCAGCGTTGCATGTTTGGGATGGTGGCTCCTGTTGTCTTGGCCTCTGGAAAGTCAGATGTCA
TTTCAGGCCTGCAGTCTCATCTGCCCTTGCCATCCTCCATCGATGTGCCACGTGGGTGTACAGTGTG
CCAGATGCAGTATTCGGCAGCCAGCCGGGAGGGCTACCTCCTCCTCACCACCTTGGGGCTTCTCA
TGGGAAATGTGCCCCGCCAGGACCCTCCCTTGTGGACAGGCAGGGAGATGCATGCGAGTGCATG
CAGCAGGGGATGGGCGCGTGTCCGTGTGCCCCACCCTCCCTCGGCTTTACTCCTGCCAGTGACTGTGA
CCTGTCCGTGTGCTTCTTGAACAGCGATTCCCCCAACCCCTTACCAGGTTCTTGGTACAACC
AGCTGCCCATTTTGTGAAATTTTATGTAGAATAAACATTTGTATCTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001165903.2](#)

**Summary:** This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain (known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagmin in a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]

Locus ID: 6804

MW: 45.4