

Product datasheet for SC213246

Syntaxin 1a (STX1A) (NM_004603) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Syntaxin 1a (STX1A) (NM_004603) Human 3' UTR Clone
Symbol:	Syntaxin 1a
Synonyms:	HPC-1; P35-1; STX1; SYN1A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004603
Insert Size:	1227 bp
Insert Sequence:	>SC213246 3'UTR clone of NM_004603 The sequence shown below is from the reference sequence of NM_004603. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
GCCTCCACTGTTGGGGGCATCTTCGCCTAGAAGCCACCCAAACTGCCACTCCACTCCAGGTGGGCCACT
CCAAGGAGGCCCTGGCTGCTGCCACCTGGCTGGGCTGCCCTCCCAACCCCGCCTCTGGCTCAGAGCAC
CCTCCCTCCCGGCCCATGCTCCCTTCTCTGCCATGGGCCCTCCGTCCCGCCCGTGTGCTGTGCAT
GATCTCTGTGAGTGTGCGTCTGTACGGGAAGAGGCAGAGGGAGGCAGCCAGCGGGCGTGATGCAGTGT
GCACAGCGAGGAGCAGACCCAGGCAGGGCCGCCAGGGTGACACAGGCCACCCTTCCCTTGCCTTCAGTAA
CTCGGTGGGCCAGGTTCTGCTCTTCCCTGGGGACCCTAACCTCGCCTCCAGCTGACCTGCCTGTCCCT
CTCCAGCTGTCCCAACAAGCAGAGCCCTGAGGGGTGGGGACCAGCTGGCCACATGGTGCTGCTTTTCAG
GTTAGGGGAGAGGTGGCCCTGAGGGACAGCCAGCTCTGAGTCTCAGTCGCTGATCACTGCCAGGGAGG
CTCAGGCTGCCATGGCTCCAGGCTCCCTCCCTGCCTAGGGGCAAAGTCCATCGGGTCTGGGCCTCAG
CTTCCCTCCACATTCTCCGGCCCAAGGAGCAACCCCTTGGGCTAGGTCTGACCCAGGTGTCCCTC
TGGAAGGGGCTGGCTGGTGCCCTATTTCCAGCCACCCAGCAGCTAGGGAGGCAAAGCAGGCTGCAGTC
AGTCCCTCAAGCCAGCGTTGCATGTTTGGGATGGTGGCTCCTGTTGTCTTGGCCTCTGGGAAGTCAGAT
GTCATTTAGGCCTGCAGTCTCATCCTGCCTTGCCATCCTCCATCGATGTGCCACGTGGGTGTACAG
TGTCACAGATGCAGTATTCGGCAGCCAGCCGGGGAGGGCTACCTCCTCCTCACCACCTTGGGGCTT
CTCATGGGAAATGTGCCCGCCCAAGGACCCTCTCCCTTGTGGACAGGCAGGGAGATGCATGCGAGTG
CATGCAGCAGGGGATGGGGCCGTGTCGGTGTGCCCAACCCTCCCTCGGCTTTACTCCTGCCAGTGACT
GTGACCACTGTCCGTGTTGCCTTCTGAACAGCGATTCCCCCAACCCCTTACCAAAGGTCTTGGTAC
AACCAGCTGCCATTTTGTGAAATTTTATGTAGAATAAACATTTGTATCTGTA
ACGGGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites:	Sgfl-Mlul
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_004603.4
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:	43