

Product datasheet for SC317563

Syntaxin 5A (STX5) (NM_003164) Human Untagged Clone

Product data:

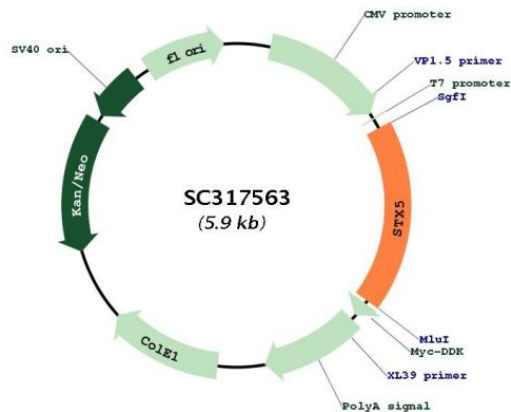
Product Type:	Expression Plasmids
Product Name:	Syntaxin 5A (STX5) (NM_003164) Human Untagged Clone
Tag:	Tag Free
Symbol:	STX5
Synonyms:	SED5; STX5A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317563 representing NM_003164. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCCGCGGAAACGCTACGGGTCTAAGAACACGGATCAGGGTGTCTACCTGGGTCTCTCAAAGACA
CAGGTCTGTCCCTGCAACTGCTGGCAGTAGCAGCAGCGACATCGCCCTCTGCCCTCCAGTGACC
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CAGCAGCTGCAGCTCATTGACGAGCAGGATTCATACCCAGAGTCGGGCAGACACCATGCAGAACATT
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CTCAAGTACTTCCAGTCTGTACCTCCAACCGGTGGCTCATGGTCAAAATCTTCCATCCTCATTGTCT
TTCTTCATCATCTTTGTGGTCTTCTTGTGTTGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_003164

Insert Size: 1068 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003164.4](#)

RefSeq Size: 1834 bp

RefSeq ORF: 1068 bp

Locus ID: 6811

UniProt ID:	Q13190
Cytogenetics:	11q12.3
Domains:	t_SNARE, SynN
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	39.7 kDa
Gene Summary:	<p>This gene encodes a member of the syntaxin or t-SNARE (target-SNAP receptor) family. These proteins are found on cell membranes and serve as the targets for v-SNAREs (vesicle-SNAP receptors), permitting specific synaptic vesicle docking and fusion. The encoded protein regulates endoplasmic reticulum to Golgi transport and plays a critical role in autophagy. Autoantibodies targeting the encoded protein may be a diagnostic marker for endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).</p>