

Product datasheet for **SC117503**

Syntaxin 3 (STX3) (NM_004177) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 3 (STX3) (NM_004177) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntaxin 3
Synonyms:	STX3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117503 sequence for NM_004177 edited (data generated by NextGen Sequencing)

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ATGAAGGACCGTCTGGAGCAGCTGAAGGCCAAGCAGCTGACACAGGATGATGATACTGAT
GCGGTTGAGATTGCTATCGACAACACGGCTTTTATGGACGAGTTCTTTCTGAGATTGAG
GAAACTCGGCTTAACATTGACAAGATCTCAGAACATGTAGAGGAGGCTAAGAACTCTAC
AGTATCATTCTCTGACCCGATTCCAGAGCCAAAAACCAAGGATGACCTAGAGCAGCTC
ACGACTGAGATTAAGAAAAGGGCCAACAACGTCCGGAACAACTGAAGAGCATGGAGAAG
CATATTGAAGAAGATGAGGTCAGGTCATCGGCAGACCTTCGGATTCGGAATCCCAGCAC
TCTGTCTTTCTCGGAAGTTTGTGGAGGTGATGACCAAATACAATGAAGCTCAAGTGGAC
TTCCGAGAACGCAGCAAAGGGCGAATCCAGCGGCAGCTCGAAATTACTGGCAAAAAGACA
ACCGATGAGGAGCTGGAGGAGATGTTGGAGAGTGGCAACCCGGCCATCTTCACTTCTGGG
ATCATTGACTCACAGATTTCCAAGCAAGCCCTCAGTGAGATTGAGGGACGACACAAGGAC
ATTGTGAGGCTGGAGAGCAGCATCAAGGAGCTTACGACATGTTTATGGACATCGCCATG
CTGGTGGAGAATCAGGGTGAAGTGTAGATAACATAGAGTTGAATGTCATGCACACAGTG
GACCACGTGGAGAAGGCACGAGATGAAACGAAAAAGCTGTGAAATACCAGAGTCAGGCC
CGGAAGAAATTGATAATTATCATTGTGCTAGTAGTTGTGTTGCTGGGCATTTTAGCATTG
ATTATTGGACTTCCGTTGGGCTGAATTAA
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Clone variation with respect to NM_004177.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004177 unedited
 GTAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGGGGCTGCG
 CGGCGGAGGCTCCCGTGGCCTCGGACGCTCCTCCTAGCTAGCGGGCCGCCGCCGCCGCG
 CCTGCGCTCCAGCTCCTTCGCCCCGGCGGGCCCGGCCCGCTTCCGGCAGCTCACCTG
 GGAAGCGCTCACCTGGGACGCGCTCACCTGGGACGCGCTACCTGCCTCCGGGCGCCTGGG
 TTTCAGGATGAAGACCGTCTGGAGCAGCTGAAGGCCAAGCAGCTGACACAGGATGATGA
 TACTGATGCGGTTGAGATTGCTATCGACAACACGGCTTTTATGGACGAGTTCTTTTCTGA
 GATTGAGGAAACTCGGCTTAACATTGACAAGATCTCAGAACATGTAGAGGAGGCTAAGAA
 ACTCTACAGTATCATTCTCTCTGCAACGATTCCAGAGCCAAAAACCAAGGATGACCTAGA
 GCAGCTCACGACTGAGATTAAGAAAAGGGCCAACAACGTCGGAACAACTGAAGAGCAT
 GGAGAAGCATATTGAAGAAGATGAGGTCAGGTCATCGGCAGACCTTCGGATTCGGAATC
 CCAGCACTCTGTCCTTTTTCGGAAGTTGTGGGAGGTGATGACCAAATAAATGAAGCTCA
 AGTGGACTTCGAGAACGCAGCAAAGGGCGAATCCAGCGGCAGCTCGAAATTAAGTGGCAA
 AAAGAAACCGATGAGGAGCTGGAGGGAGATGNTGAAAAGTGGGCAACCCCGCCATCTTC
 ACTTTCTGGGATCATTGACTCACAGATTTCCAAGCAGCCCTCAGTGAGAATGGAGGGACG
 ACCCAGGACATTGTGAGGCTTGGGAGAGCACATCAAGGAGCCTTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004177 unedited
 TGTACCGCGCACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTAAACAATCAATACA
 AAGTCATTTTTATTTTTAAATTAGCAATAAAATAATCAAGTTTACATCTAAAAAATACAA
 ACAACAACAAAAACCTTCACATGTTGTATTCCAACTGTAAGCCCCAGGCTCAATGTCA
 AAGGAGAGCAAAGGCCTTTAGTTATTTTGTCTCTTGTGCTGGAGCCCATCCACTGTCTG
 ACATCATAGCCATGGGCAAGAGGATATTGCCTTGGCTCTGTCTGAGTGTGGATTGTGAC
 CGGCCATAAGTAGCCTTTGCAAAGGAAGCTAATGGACAGTGCCTGAATTAAGGGTCTTA
 CCCTATCCTAGAAAGCGTTAAAGTCAAAGCGGAAAATATACATGGTACCCAAAATCAAGG
 AGACTGCCAGAGACCAGCAGGGGATCTAAGGGATTTACCACTGGGTTAGCACAGACACTA
 CACTTGAAGATTTCTAGCGGCTGCTGTGCTGTTTCCATGATAAGAATTCAGTGAGACA
 AAGAACCTGCCAAGCTCATTAAACCGAGTAGCAGGAAGAGCTACTGTGTAGCCTCTGGTGT
 TCCCAACTGACTCAGCCTGCAGATGGGACATCCTGTAAGTCATGTGAATATCAAGTTA
 CTGAGGGATGTTCTCAGGACAAGCCTAGCATAGGCACCAGGTGGGAAAGGGTGCCAAAAA
 ACATACTTCTGTCTGCTAAGCAGAAAACTTAATTGGAATCATTTAGCTCACTCCCGAG
 TTCTCATTTTATTCTCCATATTCTCCAAAAACAATTTCTTGAGATTTGGGAAAACACA
 TTTCCACAGGATTTTTTGCAGTAACCAAATGCCTTTACCCATTTTTATCCTACCCAAAG
 TGGCTTTTTTTTTGGAGGATAATAACTCCTTTTTATNCCACTTTCGGAACCAACCCTTTT
 GGGCTTACTTTTTACCAATAAAATCCTCGGAACCTGGATGTATCACACTGTTTGAN

Restriction Sites:

NotI-NotI

ACCN:

NM_004177

Insert Size:

3090 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_004177.3 , NP_004168.1
RefSeq Size:	2974 bp
RefSeq ORF:	870 bp
Locus ID:	6809
UniProt ID:	Q13277
Cytogenetics:	11q12.1
Domains:	t_SNARE, SynN
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	<p>The gene is a member of the syntaxin family. The encoded protein is targeted to the apical membrane of epithelial cells where it forms clusters and is important in establishing and maintaining polarity necessary for protein trafficking involving vesicle fusion and exocytosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>