

Product datasheet for **SC117904**

Syntaxin 7 (STX7) (NM_003569) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 7 (STX7) (NM_003569) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntaxin 7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003569 edited
GAATTCGGCACGAGGGGGCTCCGGGGTAGGTGGGTGACGGCGGTCCGAGGTGTAGGAGGG
AGCCGTGGAGGTCCAGGTGACTGCTTAGAAAACGCACAGCATCTGATGAAATTAGCGAA
TAAGAACATCAACCATGTCTTACACTCCAGGAGTTGGTGGTGACCCCGCCAGTTGGCCC
AGAGGATCTCTTCAACATCCAGAAGATCACACAGTGTCTGTGGAAATACAAAGAACCTC
TGAATCAACTTGGAACACCTCAAGATTCACCTGAATTGAGGCAACAGTTGCAACGAGAAGC
AGCAGTATACTAACCCAGTTGCCAAAGAAACAGATAAGTACATTAAGAGTTTGGATCTC
TGCCACCACCCAGTGAACAGCGTCAAAGGAAAATACAGAAGGATCGCTTAGTGGCAG
AGTTCACAACATCACTGACAAACTTCCAGAAGTCCAGAGGCAGGCTGCTGAGCGAGAGA
AAGAGTTTGTGCTCGAGTAAGAGCCAGTTCAGAGTGTCTGGCAGTTTTCTGAGGACA
GCTCAAAGAAAGGAATCTGTATCCTGGGAAAGCCAACTCAACCTCAAGTGCAGGTGC
AGGATGAAGAAATTACAGAGGATGACCTCCGTCTTATTCATGAGAGAGAATCTTCTATCA
GGCAACTGAAGCTGATATTATGGATATTAATGAAATATTTAAAGATTTGGGAATGATGA
TTCATGAACAAGGAGATGTAATAGATAGCATAGAAGCCAATGTGAAAAATGCAGAGGTGC
ACGTTTCAGCAAGCAAATCAGCAGCTGTCAAGGGCAGCAGATTATCAGCGCAAATCCAGAA
AAACCCTGTGCATCATCATTCTTATCCTTGTCTATTGGAGTTGCGATTATCAGTCTCATCA
TATGGGGATTGAACCACTGAAGTTATAAAGGAGCACACTGTGCGACTACATTGTCTAAAT
TATGTAGGAAGATTCTGTAAATCATGTTTTTTAATTATTTTAAAGCTATTGTATAA
AGGATGGTCCCATACTTTGTTATTTTTATTGGGGGGTGGGGTGGTTCCTTTGGATTA
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GGTCTTCAATTTAATAGTTGTTAAGTTTTTGCCACATTGCATATGCCTTTCATTATAA
TTTTTTACCCTGCTTGACTTAGTTTTGGGAATTCGTAATTTAAAGGTGTGTATTCTC
GTTTGCATCTCCCTGCTACTGTGACACACCTAGATGCGTGTACTTCAATTAATAATCTC
AAATTTAATTTTGATTTGCTTTCAGCAGGAAAATATTCTCAATAATGTAATAATAATTAAG
GTCTATACATGGTGTGATTTTTCTGGTTCACAACAGCACAAAGTGTCTTTCATTTTTTT
GTTGGTTTTCTTTAAGATCTTTTTTACCCTGAAGTCGGTGAATACTTTTCTAGTTTATT
TGATACTTTTCTGTGTATATTAAGCTTTTGTCTGTAGATTGCCTAGTAAAATTAATAA
GGATAGGTTGTTTTACATATGGTCTATTTAAGTCTGATGTTACGGGGGAAAGTGTAGT
TACTAAAATGTTAACATAAATTTGGAAGAAGAGTATGAACAACCAATACCAATACCTAT
TGCGTTTGGATTCTTAAGACCCAGTTTGTATTCCACTAACTAGTTATCTTAACCATA
TCATCTGGTTTTGTGGGCCATTATTACCTTCCCTTATGTCTTATAGAATAATGGTTAAT
ATTTTTAGGTCAAAATTAATTTTTGGAAAGTAACTTTCCACAATTAATGTTTTTGGAGCA
CCTGACAAAATTTAGTGTTTACCTTGCCTGCCATTTTGTGTCATCTTCAATTAATAAAGC
AATTGGAGGTTTCCAGTTATCTCACTTCCCTTTTTAAATCAATGTTGTTTTAATGCACT
AATCTGAATTCGTAAAGAGGATTATCTTAGTTTATACTTTGTATTTTATAATGTTCTTG
TATAGCAGTTCGGTACTGAAGGCGGTGTTAACTTGGCAAGCTCTGAGACTTCAATGGG
AACAAATAGTAAGTAGCTAAGTAAACCACATCTTTGCAACCAAAAATAAAGATGAGTTAAA
AGGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003569 unedited</p> <pre> AGGATTTTGTAAACGACTCACTATAGGGCGGCACGCGATTTCGGCACGAGGGGCTCCGGG GTAGGTGGGTGACGGCGGTGGGAGGTGTAGGAGGGAGCCGTGGAGGTCCAGGTGACTGCT TAGAAAACGACAGCATCTGATGAAATTAGCGAATAAGAACATCAACCATGTCTTACAC TCCAGGAGTTGGTGGTGACCCCGCCAGTTGGCCAGAGGATCTTTCTAACATCCAGAA GATCACACAGTGTCTGTGGAATAACAAAGAACTCTGAATCAACTGGAACACCTCAAGA TTCACCTGAATTGAGCAACAGTTGCAACAGAAGCAGCAGTATACTAACCAGCTTGCCAA AGAAACAGATAAGTACATTAAAGAGTTTGGATCTCTGCCACCACCCCAAGTGAACAGCG TCAAAGGAAAATACAGAAGGATCGCTTAGTGGCAGAGTTCACAACATCACTGACAAACTT CCAGAAGTCCAGAGGCAGGCTGCTGAGCGAGAGAAAAGAGTTTGTGCTCGAGTAAGAGC CAGTTCAGAGTGTCTGGCAGTTTTCTGAGGACAGCTCAAAGAAAGGAATCTTGATC CTGAGAAAGCCAACTCAACCTCAAGTGCAGGTGCAGGATGAAGAAATTACAGAGGATGA CCTCCGCTTATTATGAGAGAGAATCTTCTATCAGGCAACTTGAAGCTGATATTATGGA TATTAATGAAATATTTAAAGATTTGGGAATGATGATTCATGAACAAGGGAGATGTATAGA TAGCATAGAAGCCAATGTGGAATGCAGAGGTGCACGTTTCAAGCAATCAGCAGCTGT CAAGGGCAGCAGATTATCAGCGCNAATCAGAAAACCTGTGCATCATT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003569 unedited</p> <pre> TAAATCTNTGNNACCGCGCCGCAATCTANGATCGAGNTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTACCTTTTAACTCATCTTTATTTTGGTTGCAAAGATGGGGT TACTTAGCTACTTACTATTTGTTCCCATTTGAAGTCTCAAAGCTTGCCAAGTTAAACACC GCCTTCAGTACCGAACTGCTTTACAAGAACATTATAAAATACAAAGTATAAACTAAGATA ATCCTTTTTACAGAATTCAAATTAAGGCATTAACAACATTGATTTAAAAGGGGAGGG AGATAACTGGCAAACCTCCAATTGCTTTTTTAATGAAGGATGACCCAAAATGGCCCGCAA GGTAAACACTAAATTTTGTGAGGGGCTCAAAAACAGTTAATTGGGGGAAAGTTACTTTCC AAAAGTAAATTTGACCTAAAAATATTAACCATTATTCTATAAGACATAAGGGAAGGTAA TAATGGCCCAAAAACAGATGATATGGTTAAGATAACTAGTTTGTAGTGAATAACAACT GGGGTCTTAAGAATCAAACGCAATAGGTATTGGTATTGGTTGTTCACTCTTCTTCCA AATTATGTTAAACATTTTAGTAACTACACTTTCCCGTAAACATCAGACTTAAATAGA CCATATGTAAAAACCACTATCTTAGTAAATTTACTAGCCATCTACAGCAAAGCTTAAT TTTTCCAGAAAAGAGTTTCAATAAACTAGAAAGGTTTCCCGGACTCCAGGGTAAAAAAGA TCTTAAAGGAAACCCCAAAAATGAAAGAACTTTGGGCTGTTGGGACCCGAAAAAACAC CCCTGTTAAACCTAATTTTTTACTTTTTGGGAAATTTCCCGCTGAGCAAATAAATTAAT TGAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003569
Insert Size:	2140 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_003569.1 , NP_003560.1
RefSeq Size:	1614 bp
RefSeq ORF:	786 bp
Locus ID:	8417
UniProt ID:	O15400
Cytogenetics:	6q23.2
Domains:	t_SNARE, SynN
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	<p>The protein encoded by this gene is a syntaxin family membrane receptor involved in vesicle transport. The encoded protein binds alpha-SNAP, an important regulator of transport vesicle fusion. Along with syntaxin 13, this protein plays a role in the ordered fusion of endosomes and lysosomes with the phagosome. [provided by RefSeq, May 2016]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 all encode the same isoform (a).</p>