

## Product datasheet for SC315416

### Syntaxin 2 (STX2) (NM\_194356) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 2 (STX2) (NM_194356) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntaxin 2
Synonyms:	EPIM; EPM; STX2A; STX2B; STX2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_194356 edited  
GCTCCAGGGAGGGCTGCTGGCGCCGGCCGGGACCGCGGGCCTGAGGCGGAGACCGGAG  
AGCCCGCGGCCCGCGGAGGCAGCTCGGGACAGGCTTGAGCGGCGGGCGCGCTGCCCG  
GCCGGCGGGGATGCGGGACCGGCTGCCAGACCTGACGGCGTGTAGGAAGAATGATGATGG  
AGACACAGTTGTTGTGGTTGAGAAAGATCATTTTCATGGATGATTTCTTCCATCAGGTGGA  
GGAGATTAGAAACACTATTGATAAAATAACTCAATATGTTGAAGAAGTAAAGAAAAACCA  
CAGCATCATTCTTCTGCACCAAACCGGAAGGAAAAATAAAAGAAGAGCTTGAAGATCT  
GAACAAAGAAATCAAGAAAACTGCGAATAAAATTCGAGCCAAGTTAAAGGCTATTGAACA  
AAGTTTTGATCAGGATGAGAGTGGGAACCGGACTTCAGTGGATCTTCGGATACGAAGAAC  
CCAGCATTGCGTGTCTCGGAAGTTTGTGGAAGCCATGGCGGAGTACAATGAGGCACA  
GACTCTGTTTCGGGAGCGGAGCAAAGGCCGATCCAGCGCCAGCTGGAGATAACTGGGAG  
AACCACCACAGACGACGACTAGAAGAGATGCTGGAGAGCGGGAAGCCATCCATCTTCAC  
TTCCGACATTATATCAGATTCACAAATTAAGTACTAGACAAGCTCTCAATGAAATCGAGTCAG  
TCAAAAGGACATCATGAAGCTGGAGACCAGCATCCGAGAGTTGCATGAGATGTTTCATGGA  
CATGGCTATGTTTGTGGAGACTCAGGGTAAATGATCAACAACATAGAAAGAAATGTTAT  
GAATGCCACAGACTATGTAGAACACGCTAAAGAAGAAACAAAAAAGCTATCAAATATCA  
GAGCAAGGCAAGAAGGAAAAAGTGGATAATTATTGCTGTGTCAGTGGTTCTGGTTGCCAT  
AATCGCTCTAATTATTGGCTTGTGAGTTGGCAAATGAT



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_194356 unedited</p> <pre>GTCAGAATTTGTTTACACTTATATAGGCGGCCGCGCAATTCGCACGAGCTCCAGGAGGGC TGCTGGCGCCGGGGCCGGGACCGCGGGCCCTGAGGCGGAGACCGGAGAGCCCGCGGCCGG CCGGAGGCAGCTCGGGACAGGCTTGAGCGGGCGGGCGCGCTGCCCGGCCGGCGGGGATGC GGGACCGGCTGCCAGACCTGACGGCGTGTAGGAAGAATGATGATGGAGACACAGTTGTTG TGGTTGAGAAAAGATCATTTTCATGGATGATTTCTCCATCAGGTGGAGGAGATTAGAAACA CTATTGATAAAAATACTCAATATGTTGAAGAAGTAAAGAAAAACCACAGCATCATTCTTT CTGCACCAAACCCGGAAGGAAAAATAAAAGAAGAGCTTGAAGATCTGAACAAAGAAATCA AGAAAACCTGCGAATAAAATTCGAGCCAAGTTAAAGGCTATTGAACAAAGTTTTGATCAGG ATGAGAGTGGGAACCGGACTTCAGTGGATCTTCGGATACGAAGAACCAGCATTCCGGTGC TGTCTCGGAAGTTGTGGAAGCCATGGCGGAGTACAATGAGGCACAGACTCTGTTTCGGG AGCGGAGCANAGGCCGATCCAGCGCCAGCTGGAGATAACTGGGAGAACCACCACAGACG ACGAGCTANAAGAGATGCTGGAGAGCGGGAAGCCATCCATCTTCACTTTTCGACATTATAT CAGATTCACAAAATACTAGACAAGCTCTCAATGAAATCGAGTCACGTCACAGGGACATCAT GGAGCTTGAGACCAGCATNCGAGAGTTGCATGAGAAATGCATGGACATGCCTATGTTTGT GGAGACTCCGGGTGAAATGATCAACACTTAGAAGGAATGTTTTGAATGCCCCAGACTATG TAGAAAACCCCTCAAGAAAAAC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_194356 unedited</p> <pre>AGNAAAGCACTGGGGNAGGGTACAGGGNAGCCACCCGGGNATCTGTTCCAGAAACAGCTA TGACCGCGGCCGCAATCTAGAGTCGATCATTTGCCAACTGACAAGCCAATAATTAGAGCG ATTATGGCAACCCAGAACCACTGACACAGCAATAATTATCCACTTTTTCTTCTTGCCTTG CTCTGATATTTGATAGCTTTTTTTGTTTCTTCTTAGCGTGTCTACATAGTCTGTGGCA TTCATAACATTTCTTCTATGTTGTTGATCATTTACCCTGAGTCTCCACAAACATAGCC ATGTCCATGAACATCTCATGCAACTCTCGGATGCTGGTCTCCAGTTCATGATGTCCTTG TGACGTGACTCGATTTTCATTGAGAGCTTGTCTAGTAATTTGTGAATCTGATATAATGTGC GAAGTGAAGATGGATGGCTTCCCGCTCTCCAGCATCTCTTCTAGCTCGTCTGTGGTG GTTCTCCAGTTATCTCCAGCTGGCGCTGGATGCGGCCTTTGCTCCGCTCCCGAAACAGA GTCTGTGCCTCATTGTAATCCGCTGGCTTCCACAACTTCCGAGACAGCACCAGATGC TGGGTTCTTCGTATCCGAAGATCCACTGAAGTCCGGTTCCTCACTCTCATCCTGATCAAAA CTTTGTTCAATAGCCTTTAACTTGGCTCGAATTNTATTCGAGNTTCTTGATTTTTCTTT GTCAGATCTTCAGCTCTTCTTTTATTTTTCTTCCGGTTTTGGTGCAAAAGAATGATGCT GTGTTTTTCTTACTTCTTACATATTGANGTATTTATCATAGTGTCTAATCTCCT CCACTGATGGAAGAATCAT</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_194356
<b>Insert Size:</b>	1000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_194356.1</a> , <a href="#">NP_919337.1</a>
<b>RefSeq Size:</b>	3469 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	2054
<b>UniProt ID:</b>	<a href="#">P32856</a>
<b>Cytogenetics:</b>	12q24.33
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	SNARE interactions in vesicular transport
<b>Gene Summary:</b>	<p>The product of this gene belongs to the syntaxin/epimorphin family of proteins. The syntaxins are a large protein family implicated in the targeting and fusion of intracellular transport vesicles. The product of this gene regulates epithelial-mesenchymal interactions and epithelial cell morphogenesis and activation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) encodes the longest isoform (2).</p>