

## Product datasheet for **SC100124**

### STYX (NM\_145251) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STYX (NM_145251) Human Untagged Clone
Tag:	Tag Free
Symbol:	STYX
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145251, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGACGTGAAGCTGGAGTTCCTTCCCTTCCACAGTGCAAGGAAGACGCCGAGGAGTGGACCTACC
CTATGAGACGAGAGATGCAGGAAATTTACCTGGATTGTTCTTAGGCCCATATTCATCTGCTATGAAAAG
CAAGCTACCTGTACTACAGAAACATGGAATAACCCATATAATATGCATACGACAAAATATTGAAGCAAAC
TTTATTAACCAAACCTTTCAGCAGTTATTTAGATATTTAGTCCTGGATATTGCAGATAATCCAGTTGAAA
ATATAATACGTTTTTTCCCTATGACTAAGGAATTTATTGATGGGAGCTTACAAATGGGAGGAAAAGTTCT
TGTGCATGGAAATGCAGGGATCTCCAGAAGTGACGCTTTGTTATTGCATACATTATGGAAACATTTGGA
ATGAAGTACAGAGATGCTTTTGCTTATGTTCAAGAAAGAAGATTTGTATTAATCCTAATGCTGGATTTG
TCCATCAACTTCAGGAATATGAAGCCATCTACCTAGCAAATTAACAATACAGATGATGTCACTCACTCCA
GATAGAAAGGTCATTATCTGTTTCTGGTACCACAGGCAGTTTGAAGAGAACACATGAAGAAGAGGAT
GATTTTGGAAACCATGCAAGTGGCGACTGCACAGAATGGCTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_145251 unedited CCCC GCCCGTTGNCGCTATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAG CTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTTCTTTTTGCAGCGGCCGGAATT CGGCACGAGGGCGGCCTGAGGGGTACGGAGACTCTGGGGAGGGAGACGGCAGCGGCATG GCGGCCGGGTGTAAGACGCCCGACCCTCCTTCCCTGTCTTCGCGCCGCCGCTGCTGG AGTCACTGGGACCCTGTAGTCTGCGTGTGTTAGTTGTAATCCCGCCGCCCTCTGTGAGC CCTCCGCTCCGCGGCCCTCCTTCCCTCCGCGCCGAGCCAGCCGAGGGTCCGCGCGC TGTGTAACAACACTCTCCACCCACCCAGCCCGCGGGCCAGCACCATGGAGACGTGAA GCTGGAGTTCCCTTCCCTTCCACAGTGCAAGGAAGACGCCGAGGAGTGGACCTACCTAT GAGACGAGAGATGCAGGAAATTTTACCTGGATTGTTCTTAGGCCCATATTCATCTGCTAT GAAAAGCAAGCTACCTGTACTACAGAAACATGGAATAACCCATATAATATGCATACGACA AAATATTGAAGCAAACCTTTATTAACCAAACCTTTCAGCAGTTATTTAGATATTTAGTCT GGATATTGCAGATAATCCAGTTGAAAATATAATACGTTTTTCCCTATGACTAANGAATT TATTGATGGGAGCTTACAAATGGGAGGAAAAAGTTCTTGTGCATGAAAATGCAGGGATCT CCAGAAGTGCAGCCTTTGGTATTGCATACATTATGAAAACATTTGNAATTGAATACAGAG ATGCTTTTGCTTATGTTCCAAAAAGAAGATTTGGTTAATCCCTATGCTGGATTGGTCCA TCAACTTCAGGATATGACCCCTTCCCTGCAAATTTACATTCAGTTGATGTTCCCTTC CAAAGGAAGTCAATTATCTGTTTCATCTGCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_145251
<b>Insert Size:</b>	4100 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>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>	<u>NM_145251.2, NP_660294.1</u>
<b>RefSeq Size:</b>	2607 bp
<b>RefSeq ORF:</b>	672 bp
<b>Locus ID:</b>	6815
<b>UniProt ID:</b>	<u>Q8WUJ0</u>
<b>Cytogenetics:</b>	14q22.1
<b>Domains:</b>	DSPc

**Protein Families:** Druggable Genome, Phosphatase

**Gene Summary:** The protein encoded by this gene is a pseudophosphatase, able to bind potential substrates but lacking an active catalytic loop. The encoded protein may be involved in spermiogenesis. Two transcript variants encoding the same protein have been found for these genes. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) is the more frequently occurring transcript. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.