

## Product datasheet for **SC322273**

### CHI3L2 (NM\_001025199) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHI3L2 (NM_001025199) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHI3L2
Synonyms:	CHIL2; YKL-39; YKL39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322273  
 GCCAAGGATATGGGAGCAACCACCATGGACCAGAAGTCTCTCTGGGCAGGTGTAGTGGTC  
 TTGCTGCTTCTCCAGGGAGGATCTGCCTACAAACTGGTTTGTACTTTACCAACTGGTCC  
 CAGGACCGGCAGGAACCAGGAAAATTACCCCTGAGAATATTGACCCCTTCTATGCTCT  
 CATCTCATCTATTCAATCGCCAGCATCGAAAACAACAAGTTATCATCAAGGACAAGAGT  
 GAAGTGATGCTCTACCAGACCATCAACAGTCTCAAACCAAGAATCCCAAAGTAAAATT  
 CTCTTGCCATTGGAGGGTACCTGTTTGGTTCCAAAGGGTCCACCCTATGGTGGATTCT  
 TCTACATCAGCTTGGAAATTCATTAATCCATAATCCTGTTTCTGAGGAACCATAACTTT  
 GATGGACTGGATGTAAGCTGGATCTACCAGATCAGAAAGAAAACACTCATTTCACTGTG  
 CTGATTATGAGTTAGCAGAAGCCTTTTCAGAAGGACTTCAAAAATCCACCAAGGAAAGG  
 CTTCTCTTGACTGTGGCGTATCTGCAGGGAGGCAAATGATTGATAACAGCTATCAAGTT  
 GAGAAACTGGCAAAGATCTGGATTTTCATCAACCTCCTGTCTTTGACTTCCATGGGTCT  
 TGGGAAAAGCCCTTATCACTGGCCACAACAGCCCTCTGAGCAAGGGGTGGCAGGACAGA  
 GGGCAAGCTCCTACTACAATGTGGAATATGCTGTGGGGTACTGGATACATAAGGGAATG  
 CCATCAGAGAAGGTGGTTCATGGGCATCCCACATATGGGCACTCCTTCACACTGGCCTCT  
 GCAGAAACCACCGTGGGGGCCCTGCCTCTGGCCCTGGAGCTGCTGGACCATCACAGAG  
 TCTTCAGGCTTCTGGCCTATTATGAGATCTGCCAGTTCTGAAAGGAGCCAAGATCACG  
 CGGCTCCAGGATCAGCAGGTTCCCTACGCAGTCAAGGGGAACCAAGTGGTGGGCTATGAT  
 GATGTGAAGAGTATGGAGACCAAGGTTCAAGTTCTTAAAGAAATTTAAACCTGGGAGGACC  
 ATGATCTGGTCTATTGACATGGATGACTTCACTGGCAAATCCTGCAACCAGGGCCCTTAC  
 CCTCTTGCCAAGCAGTCAAGAGAAGCCTTGGCTCCCTGTGAAGGATTAACCTACAGAGA  
 AGCAGGCAAGATGACCTTGTGCTGGGCTGCTCTCTCCAGGAATTCTCATGTGGGA  
 TTCCCCTTGCCAGGCCGGCCTTTGGATCTCTCTTCCAAGCCTTTCTGACTTCTCTTAG  
 ATCATAGATTGGACCTGGTTTTTTTCTGCAGCTGTTGACTTGTGCTTGAAGTACA  
 ATAAAAAAAAATTCATTTTCTCCAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001025199
<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>	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.
<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><a href="#">NM_001025199.1</a></u> , <u><a href="#">NP_001020370.1</a></u>
<b>RefSeq Size:</b>	1516 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	1117
<b>UniProt ID:</b>	<u><a href="#">Q15782</a></u>
<b>Cytogenetics:</b>	1p13.2
<b>Gene Summary:</b>	<p>The protein encoded by this gene is similar to bacterial chitinases but lacks chitinase activity. The encoded protein is secreted and is involved in cartilage biogenesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.</p>