

Product datasheet for **SC302362**

CHI3L2 (NM_001025197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHI3L2 (NM_001025197) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHI3L2
Synonyms:	CHIL2; YKL-39; YKL39
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC302362 sequence for NM_001025197 edited (data generated by NextGen Sequencing)

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ATGGGAGCAACCACCATGGACCAGAAGTCTCTCTGGGCAGGATCTGCCTACAAACTGGTT
TGCTACTTTACCAACTGGTCCCAGGACCGCAGGAACCAGGAAAATTACCCCTGAGAAT
ATTGACCCCTTCCATGCTCTCATCTCATTTTCATTCCGCCAGCATCGAAAACAACAAG
GTTATCATCAAGGACAAGAGTGAAGTGATGCTCTACCAGACCATCAACAGTCTCAAAACC
AAGAATCCCAAAGTAAAATTCTCTTGTCCATTGGAGGGTACCTGTTTGGTTCCAAAGGG
TTCCACCCTATGGTGGATTCTTCTACATCAGCCTTGAATTTCATTAACCCATAATCCTG
TTTCTGAGGAACCATAACTTTGATGGACTGGATGTAAGCTGGATCTACCCAGATCAGAAA
GAAAACACTCATTTCACTGTGCTGATTCATGAGTTAGCAGAAGCCTTTCAGAAGGACTTC
ACAAAATCCACCAAGGAAAGGCTTCTCTTGGACTGTGGGCGTATCTGCAGGGAGGCAAATG
ATTGATAACAGCTATCAAGTTGAGAAAAGTGGCAAAGATCTGGATTTTCATCAACCTCCTG
TCCTTTGACTTCCATGGGTCTTGGGAAAAGCCCTTATCACTGGCCACAACAGCCCTCTG
AGCAAGGGGTGGCAGGACAGAGGGCCAAGCTCCTACTACAATGTGGAATATGCTGTGGGG
TACTGGATACATAAGGGAATGCCATCAGAGAAGGTGGTCATGGGCATCCCCACATATGGG
CACTCCTTCACTGGCCTCTGCAGAAACCACCGTGGGGGCCCTGCCTCTGGCCCTGGA
GCTGCTGGACCCATCACAGAGTCTTCAGGCTTCTGGCCTATTATGAGATCTGCCAGTTC
CTGAAAGGAGCCAAGATCACGCGCTCCAGGATCAGCAGGTTCCCTACGCAGTCAAGGGG
AACCAAGTGGGTGGGCTATGATGATGTGAAGAGTATGGAGACCAAGGTTTCAGTTCTTAAAG
AATTTAAACCTGGGAGGAGCCATGATCTGGTCTATTGACATGGATGACTTCACTGGCAAA
TCCTGCAACCAGGGCCCTTACCCTTGTCCAAGCAGTCAAGAGAAGCCTTGGCTCCCTG
TGA

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Clone variation with respect to NM_001025197.1
515 c=>t

Restriction Sites: Please inquire



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ACCN:	NM_001025197
Insert Size:	1500 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).
OTI Annotation:	The ORF of this clone is found to be a perfect match to NM_001025197.1.
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:	<u>NM_001025197.1</u> , <u>NP_001020368.1</u>
RefSeq Size:	1456 bp
RefSeq ORF:	1143 bp
Locus ID:	1117
UniProt ID:	<u>Q15782</u>
Cytogenetics:	1p13.2
Gene Summary:	<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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>