

Product datasheet for **SC324578**

CHI3L1 (NM_001276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHI3L1 (NM_001276) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHI3L1
Synonyms:	ASRT7; CGP-39; GP-39; GP39; HC-gp39; HCGP-3P; hCGP-39; YK-40; YKL-40; YKL40; YYL-40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001276.1
 GGACAGGTATATAAAGGAAGTACAGGGCCTGGGGAAGAGGCCCTGTCTAGGTAGCTGGCA
 CCAGGAGCCGTGGGCAAGGGAAGAGGCCACACCCTGCCCTGCTCTGCTGCAGCCAGAATG
 GGTGTGAAGGCGTCTCAAACAGGCTTTGTGGTCTGGTGTGCTCCAGTGTCTGCTGCA
 TACAACTGGTCTGCTACTACACCAGCTGGTCCAGTACCGGGAAGGCGATGGGAGCTGC
 TTCCCAGATGCCCTTGACCGCTTCTCTGTACCCACATCATCTACAGCTTTGCCAATA
 AGCAACGATCACATCGACACCTGGGAGTGAATGATGTGACGCTCTACGGCATGCTCAAC
 ACACTCAAGAACAGGAACCCCAACCTGAAGACTCTCTTGTCTGCGGAGGATGGAACCTT
 GGGTCTCAAAGATTTTCCAAGATAGCCTCCAACCCAGAGTTCGCCGACTTTTCATCAAG
 TCAGTACCGCCATTTCTGCGCACCCATGGCTTTGATGGGCTGGACCTTGCTGGCTCTAC
 CCTGGACGGAGAGACAAACAGCATTTTACCACCCTAATCAAGGAAATGAAGGCCGAATTT
 AATAAGGAAGCCAGCCAGGGAAGGAGCAGCTCCTGCTCAGCGCAGCACTGTCTGCGGGG
 AAGGTCACCATTTGACAGCAGCTATGACATTGCCAAGATATCCCAACACCTGGATTTTATT
 AGCATCATGACCTACGATTTTTCATGGAGCCTGGCGTGGGACCACAGGCCATCACAGTCCC
 CTGTTCCGAGGTCAGGAGGATGCAAGTCTGACAGATTCAGCAACACTGACTATGCTGTG
 GGTACATGTTGAGGCTGGGGGCTCCTGCCAGTAAGCTGGTGATGGGCATCCCCACCTTC
 GGGAGGAGCTTCACTCTGGCTTCTTCTGAGACTGGTGTGGAGCCCAATCTCAGGACCG
 GGAATTCAGGCCGTTTACCAAGGAGGAGGACCCCTTGCTACTATGAGATCTGTGAC
 TTCCTCCGCGGAGCCACAGTCCATAGAATCCTCGGCCAGCAGGTCCTTATGCCACCAAG
 GGCAACAGTGGGTAGGATACGACGACCAGGAAAGCGTCAAAGCAAGGTGCAGTACCTG
 AAGGACAGGACAGTGGCGGGCGCCATGGTATGGGCCCTGGACCTGGATGACTTCCAGGGC
 TCCTTCTGCGGCCAGGATCTGCGCTTCCCTCTACCAATGCCATCAAGGATGCACTCGCT
 GCAACGTAGCCCTCTGTTCTGCACACAGCACGGGGGCAAGGATGCCCCGTCCCCCTCTG
 GCTCCAGCTGGCCGGGAGCCTGATCACCTGCCCTGCTGAGTCCAGGCTGAGCCTCAGTC
 TCCTCCCTTGGGGCCTATGCAGAGGTCCACAACACACAGATTTGAGCTCAGCCCTGGTG
 GGCAGAGAGGTAGGGATGGGGCTGTGGGATAGTGAGGCATCGCAATGTAAGACTCGGGA
 TTAGTACACACTTGTGATTAATGGAAATGTTTACAGATCCCCAAGCCTGGCAAGGGAAT
 TTCTTCAACTCCCTGCCCCAGCCCTCCTTATCAAAGGACACCATTTTGGCAAGCTCTA
 TCACCAAGGAGCCAAACATCCTACAAGACACAGTACCATACTAATTATACCCCTGCAA
 AGCCAGCTTGAAACCTTCACTTAGGAACGTAATCGTGTCCCTATCCTACTTCCCCTTC
 CTAATTCCACAGCTGCTCAATAAAGTACAAGAGCTTAAAAAAAAAAAAAAAAAAAAAAAAA
 A

Restriction Sites: Please inquire

ACCN: NM_001276

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	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.
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_001276.1 , NP_001267.1
RefSeq Size:	1925 bp
RefSeq ORF:	1152 bp
Locus ID:	1116
UniProt ID:	P36222
Cytogenetics:	1q32.1
Domains:	Glyco_18
Protein Families:	Secreted Protein
Gene Summary:	Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling. [provided by RefSeq, Sep 2009]