

## Product datasheet for **SC112358**

### CHID1 (NM\_023947) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHID1 (NM_023947) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHID1
Synonyms:	GL008; SI-CLP; SICLP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_023947, the custom clone sequence may differ by one or more nucleotides

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ATGCGGACACTCTTCAACCTCCTCTGGCTTGCCTGGCCTGCAGCCCTGTTACACTACCCTGTCAAAGT
CAGATGCCAAAAAGCCGCTCAAAGACGCTGCTGGAGAAGAGTCAGTTTTAGATAAGCCGGTGAAGA
CCGGGGTTTGGTGGTGACGGACCTCAAAGCTGAGAGTGTGGTTCTTGAGCATCGCAGCTACTGCTCGGA
AAGGCCCGGGACAGACACTTTGCTGGGGATGACTGGGCTATGCTACTCCATGGAACAGCCATGGCTACG
ATGTCACCAAGGTCTTTGGGAGCAAGTTCACACAGATCTCACCCGCTGGCTGCAGCTGAAGAGACGTGG
CCGTGAGATGTTTGGGTCACGGCCTCCACGACGTGGACCAAGGGTGGATGCGAGCTGCAGGAAGCAT
GCCAAGGGCCTGCACATAGTGCCTCGGCTCCTGTTTGGGACTGGACTTACGATGATTTCCGGAACGTCT
TAGACAGTGAGGATGAGATAGAGGAGCTGAGCAAGACCGTGGTCCAGGTGGCAAAGAACCAGCATTTCGA
TGGCTTCGTGGTGGAGGTCTGGAACCAGCTGCTAAGCCAGAAGCGGTGGGCCTCATCCACATGCTCACC
CACTTGGCCGAGGCTCTGCACCAGGCCCGGCTGCTGGCCCTCCTGGTCATCCCGCTGCCATCACCCCG
GGACCCAGCAGCTGGGCATGTTACGCACAAGGAGTTTGGAGCAGCTGGCCCCGTGCTGGATGGTTTCAG
CCTCATGACCTACGACTACTCTACAGCGCATCAGCCTGGCCCTAATGCACCCCTGTCTGGGTTTCGAGCC
TGCGTCCAGGTCTGGACCCGAAGTCCAAGTGGCGAAGCAAAATCCTCCTGGGGTCAACTTCTATGGTA
TGGACTACGCGACCTCCAAGGATGCCCGTGGGCTGTTGTGGGGCCAGGTACATCCAGACACTGAAGGA
CCACAGGCCCGGATGGTGTGGGACAGCCAGGCCCTCAGAGCACTTCTTCGAGTACAAGAAGAGCCGAGT
GGGAGGCAGTCTTCTACCCAACCCTGAAGTCCCTGCAGGTGCGGCTGGAGCTGGCCCGGGAGCTGG
GCGTTGGGTCTCTATCTGGGAGCTGGGCCAGGCCTGGACTACTTCTACGACCTGCTCTAG

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_023947 unedited  GGGCACAATTGTAACGATCATATAGGCGGCCGCGCAATTCGCACGAGGTTTTCCGGCCG  TGCGTTTTGTGGCCGTCCGGCCTCCCTGACATGCAGCCCTCTGGACCCCGAGTTGGACCCT  ACTGTGACACACCTACCATGCGGACACTTTCAACCTCTCTGGCTTGCCTGGCCTGCA  GCCCTGTTCACTACCCTGTCAAAGTCAGATGCCAAAAAGCCGCTCAAAGACGCTGC  TGGAGAAGAGTCAGTTTTTCAGATAAGCCGGTGAAGACCGGGTTTGGTGGTACGGACC  TCAAAGCTGAGAGTGTGGTTCTTGAGCATCGCAGCTACTGCTCGGCAAAGGCCCGGACA  GACACTTTGCTGGGGATGTACTGGGCTATGTCACTCCATGGAACAGCCATGGCTACGATG  TCACCAAGGTCTTTGGGAGCAAGTTCACACAGATCTCACCCGTCTGGCTGCAGCTGAAGA  GACGTGGCCGTGAGATGTTTGGAGTACGGGCCTCCACGACGTGGACCAAGGGTGGATGC  GAGCTGTCAGGAAGCATGCCAAGGCCTGCACATAGTGCCTCGGCTCTGTTTGGAGACT  GGACTTACGATGATTTCCGGAACGTCTTAGACAGTGAGGATGAGATAGAGGAGCTGAGCA  AGACCGTGGTCCAGGTGGCAAAGCACCAGCATTTCGATGGCTTCGTGGTGGAGGTCTGGA  ACCAGCTGCTAAGCCAGCAGCGGTGGCCTCATCCACATGCTCACCCACTTGGCCGAGG  CTCTGCACCAGCCNGCTGCTGGCCATCCTGGACATCCCGCCTGCCATACCCCGGAA  CCGACCAGCTGGGCATGTTACGCCCCAGGAGTTTGGAGCTGGCCCCGTGCTGA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_023947 unedited  TAGAGTCGAGTTTTTTTTTTTTTTTTTTTACAGCAAACGGAGTGGAGGCCTGTATTTTACA  CCTGCTCACTCACTCCATGGCTTAGAAAAACAGTCCACCGGGAGGCCGAATGCCCA  CCTAGAGCAGGTCGTAGAAGTAGTCCAGGCCCTGGCCAGCTCCCAGATAGAGACCCCAA  CGCCAGCTCCCGGGCCAGCTCCAGCCGACCTGCAGGGACTTCAGGGTTGGGTAGAAGA  CGAGCTGCCTCCCACTGCGGCTTCTTGTACTCGAAGAAGTGTCTGAGACCTGGCTGT  CCACACCATCCGGGCCCTGTGGTCTTCAAGTGTCTGGATGTACCTGGCCCGACAAACAG  GCTCACGGGCATCCTTGGAGTTCGCTAGTCCATACCATAGAAGTTGAGCCCCAGGAGGA  TTTTGCTTCGCCACTTGGACTTCGGGTCCAGGACCTGGACGCAGGCTCGAACCCAGGACA  GGGGTGCATTAGGGCCAGGCTGATGCGCTGTANAGTAGTCGTAGGTCATGAGGCTGAAAC  CATCCAGCACGGGGCCAGCTGCTCAAACCTCCTTGTGCGTGAACATGCCANCTGGGTGC  TCCCGGGGGTGTGGCANGCGGGATGACCANGAGGGCCAGCAGCCGGGGCCTGGTGCANA  GCCTCGGGCAAGTGGGTGAGCATGTGGATGAGGCCACGCGCTTCTGGCCTANACAGTGT  TTCCAGACCTCACCAAGCATCGAATGCTGTTCTTTTGCACCTGGACCACGGCTGCT  CAACTCCTTTATCTATCTTACTGCCTAGACGGTTCGGAAACATCGTAAGTCAGTCTAAA  CAGGACCCAGGCCTTTGTGACGCCCTTGGATGCTCCTGACATTGGATCACCTGGTCACG  TGTGGGGCCCTGACTTAACTTTACGCCGTTTTTTATGAANCAACGTGAAATTGGGAACT  GCCCAAACCTGGAACCTGTTGTCGGGGCAACCCCTCCAAAGGTTTGGCCGCT  T</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_023947
<b>Insert Size:</b>	1380 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).

**Reconstitution Method:**

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\\_023947.2](#), [NP\\_076436.2](#)

**RefSeq Size:** 2736 bp

**RefSeq ORF:** 1182 bp

**Locus ID:** 66005

**UniProt ID:** [Q9BWS9](#)

**Cytogenetics:** 11p15.5

**Domains:** Glyco\_18

**Gene Summary:** Saccharide- and LPS-binding protein with possible roles in pathogen sensing and endotoxin neutralization. Ligand-binding specificity relates to the length of the oligosaccharides, with preference for chitotetraose (in vitro).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode isoform a.