

## Product datasheet for SC325041

### CHID1 (NM\_001142674) Human Untagged Clone

#### Product data:

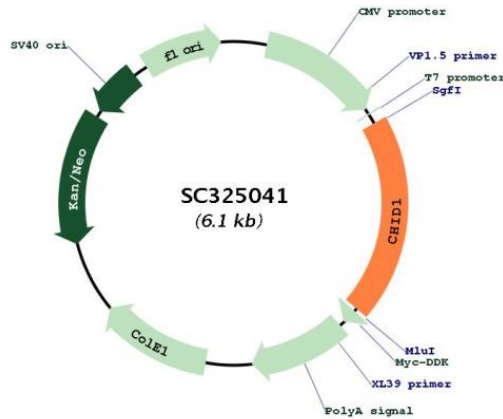
Product Type:	Expression Plasmids
Product Name:	CHID1 (NM_001142674) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHID1
Synonyms:	GL008; SI-CLP; SICLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325041 representing NM_001142674. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGCGGACACTCTTCAACCTCCTCTGGCTTGGCCTGCAGCCCTGTTCACTACCCTGTCAAAG
TCAGATGCCAAAAAGCCGCTCAAAGACGCTGCTGGAGAAGAGTCAGTTTTAGATAAGCCGGTGCAA
GACCGGGTTTGGTGGTGACGGACCTCAAAGCTGAGAGTGTGGTCTTGAGCATCGCAGCTACTGCTCG
GCAAAGGCCCGGGACAGACACTTGTCTGGGATGTACTGGGCTATGCTACTCCATGGAACAGCCATGGC
TACGATGTACCAAGGTCTTGGGAGCAAGTTCACACAGATCTCACCCGCTGGCTGCAGCTGAAGAGA
CGTGGCCGTGAGATGTTGAGGTCACGGGCTCCACGACGTGGACCAAGGTTGGATGCGAGCTGTCAGG
AAGCATGCCAAGGCCTGCACATAGTGCTCGGCTCCTGTTGAGGACTGGACTTACGATGATTTCCGG
AACGTCTTAGACAGTGAGGATGAGATAGAGGAGCTGAGCAAGACCGTGGTCCAGGTGGCAAAGAACCAG
CATTTTCGATGGCTTCGTGGTGGAGGTCTGGAACCAGCTGTAAGCCAGAAGCGCTGGGCCCTCATCCAC
ATGCTCACCCACTTGGCCGAGGCTCTGCACCAGGCCCGGCTGCTGGCCCTCCTGGTCATCCCGCCTGCC
ATCACCCCGGGACCGACCAGCTGGGCATGTTACGCACAAGGAGTTTGAGCAGCTGGCCCCGTGCTG
GATGGTTTCAGCCTCATGACCTACGACTACTCTACAGCGCATCAGCCTGGCCCTAATGCACCCTGTCC
TGGTTTCGAGCCTGCGTCCAGGTCCTGGACCCGAAGTCCAAGTGGCGAAGCAAAATCCTCTGGGGCTC
AACCTCTATGGTATGGACTACGCGACCTCAAGGATGCCCGTGGCCTGTTGTGGGGCCAGGTACATC
CAGACTGAAGGACCACAGGCCCGGATGGTGTGGGACAGCCAGGCCTCAGAGCACTTCTTCGAGTAC
AAGAAGAGCCGAGTGGGAGGCAGCTGCTCTTCTACCAACCCTGAAGTCCCTGCAGGTGCGGCTGGAG
CTGGCCCGGAGCTGGCGTTGGGTCTCTATCTGGGAGCTGGCCAGGGCCTGGACTACTTCTACGAC
CTGCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001142674

**Insert Size:** 1182 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:** 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:**

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\\_001142674.1](#)

**RefSeq Size:** 3448 bp

**RefSeq ORF:** 1182 bp

**Locus ID:** 66005

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

**Cytogenetics:** 11p15.5

**MW:** 44.9 kDa

**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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode isoform a.