

Product datasheet for **SC325826**

CHID1 (NM_001142677) Human Untagged Clone

Product data:

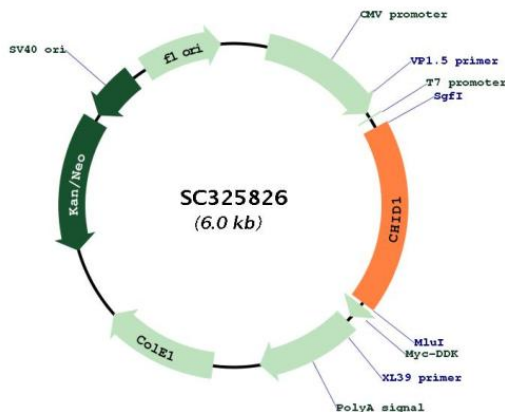
Product Type:	Expression Plasmids
Product Name:	CHID1 (NM_001142677) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHID1
Synonyms:	GL008; SI-CLP; SICLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325826 representing NM_001142677. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGACACTCTTCAACCTCCTCTGGCTTGGCCCTGCAGCCCTGTTCACTACCCTGTCAAAG
TCAGATGCCAAAAAGCCGCTCAAAGACGCTGCTGGAGAAGAGTCAGTTTTAGATAAGCCGGTGCAA
GACCGGGTTTGGTGGTGACGGACCTCAAAGCTGAGAGTGTGGTTCTTGAGCATCGCAGCTACTGCTCG
GCAAAGGCCCGGGACAGACACTTGTCTGGGATGTACTGGGCTATGTCCTCCATGGAACAGCCATGGC
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CGTGGCCGTGAGATGTTTGGGTCACGGGCTCCACGACGTGGACCAAGGGTGGATGCGAGCTGTCAGG
AAGCATGCCAAGGCCTGCACATAGTGCTCGGCTCCTGTTTGGAGACTGGACTTACGATGATTTCCGG
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CATTTCGATGGCTTCGTGGTGGAGGTCTGGAACCAGCTGTAAGCCAGAAGCGCGTGACCGACCAGCTG
GGCATGTTACGCACAAGGAGTTTGGAGAGCTGGCCCCGTGGTGGATGGTTTACGCTCATGACCTAC
GACTACTCTACAGCGCATCAGCTGGCCCTAATGCACCCCTGTCTGGGTTTCGAGCCTGCGTCCAGGTC
CTGGACCCGAAGTCCAAGTGGCGAAGCAAATCCTCTGGGGCTCACTTCTATGGTATGGACTACGCG
ACCTCAAAGGATGCCCGTGAGCCTGTTGTGGGGCCAGGTACATCCAGACACTGAAGGACCACAGGCC
CGGATGGTGTGGGACAGCCAGGCTCAGAGCACTTCTTCGAGTACAAGAAGAGCCGAGTGGGAGGCAC
GTCGCTTCTACCAACCCTGAAGTCCCTGCAGGTGCGGCTGGAGCTGGCCCGGGAGCTGGGCGTTGGG
GTCTCTATCTGGGAGCTGGGCCAGGCTGGACTACTTCTACGACCTGCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001142677

Insert Size: 1089 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_001142677.1](#)

RefSeq Size: 3251 bp

RefSeq ORF: 1089 bp

Locus ID: 66005

UniProt ID: [Q9BWS9](#)

Cytogenetics: 11p15.5

MW: 41.7 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 (5) differs in the 5' UTR and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (c) has the same N- and C-termini but is shorter than isoform a.