

Product datasheet for **SC321351**

CX3CL1 (NM_002996) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CX3CL1 (NM_002996) Human Untagged Clone
Tag: Tag Free
Symbol: CX3CL1
Synonyms: ABCD-3; C3Xkine; CXC3; CXC3C; fractalkine; neurotactin; NTN; NTT; SCYD1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002996.3
 CTGAGCTCTGCCGCTGGCTCTAGCCGCCTGCCTGGCCCCGCCGGGACTCTTGCCACC
 CTCAGCCATGGCTCCGATATCTCTGTCTGGCTGCTCCGCTTGCCACCTTCTGCCATCT
 GACTGTCTGCTGGCTGGACAGCACACGGTGTGACGAAATGCAACATCACGTGCAGCAA
 GATGACATCAAAGATACCTGTAGCTTTGCTCATCCAATCAACAGAACCAGGCATCATG
 CGGCAAACCGCAATCATCTTGGAGACGAGACAGCACAGGCTGTTCTGTGCCGACCCGAA
 GGAGCAATGGGTCAAGGACGCGATGCAGCATCTGGACCGCAGGCTGCTGCCCTAACTCG
 AAATGGCGGCACCTTCGAGAAGCAGATCGGCGAGGTGAAGCCCAGGACCACCCCTGCCGC
 CGGGGGAATGGACGAGTCTGTGGTCTGGAGCCGAAGCCACAGGCGAAAGCAGTAGCCT
 GGAGCCGACTCCTTCTCCAGGAAGCACAGAGGGCCCTGGGGACCTCCCAGAGCTGCC
 GACGGGCGTGACTGGTTCCTCAGGGACCAGGCTCCCCCGACGCCAAAGGCTCAGGATGG
 AGGGCCTGTGGGCACGGAGCTTTCCGAGTGCCTCCCGTCTCCACTGCCGCCACGTGGCA
 GAGTTCTGCTCCCCACCAACCTGGGCCAGCCTCTGGGCTGAGGCAAAGACCTCTGAGGC
 CCCGTCCACCCAGGACCCCTCCACCCAGGCCTCCACTGCGTCTCCCCAGCCCCAGAGGA
 GAATGCTCCGTCTGAAGGCCAGCGTGTGTGGGTCAGGGACAGAGCCCCAGGCCAGAGAA
 CTCTCTGGAGCGGGAGGAGATGGGTCCCGTCCAGCGCACACGGATGCCTTCCAGGACTG
 GGGCCTGGCAGCATGGCCACGTCTCTGTGGTCCCTGTCTCCTCAGAAGGGACCCCCAG
 CAGGGAGCCAGTGGCTTCAGGCAGCTGGACCCCTAAGGCTGAGGAACCCATCCATGCCAC
 CATGGACCCCCAGAGGCTGGGCGTCTTATCACTCCTGTCCCTGACGCCAGGCTGCCAC
 CCGGAGGCAGGCGGTGGGCTGCTGGCCTTCTTGGCCTCCTTCTGCCTGGGGGTGGC
 CATGTTACCTACCAGAGCCTCCAGGGCTGCCCTCGAAAGATGGCAGGAGAGATGGCGGA
 GGGCCTTCGCTACATCCCCGGAGCTGTGGTAGTAATTATATGTCTGGTGCCCGTGTG
 AACTCCTCTGGCCTGTGTCTAGTTGTTTGATTAGACAGCTGCCTGGGATCCCTCATCCT
 CATACCCACCCCAAGGGCCTGGCCTGAGCTGGGATGATTGGAGGGGGGAGGTGGG
 ATCCTCCAGGTGCACAAGCTCCAAGCTCCAGGCATTCCCAGGAGGCCAGCCTTGACCA
 TTCTCCACCTTCCAGGGACAGAGGGGTGGCCTCCCAACTCACCCAGCCCCAAAATCT
 CCTCTGCTGCTGGCTGGTTAGAGGTTCCCTTTGACGCCATCCCAGCCCCAATGAACAATT



[View online »](#)

```

ATTTATTAATGCCCAGCCCTTCTGACCCATGCTGCCCTGTGAGTACTACAGTCCCTCC
ATCTCACACATGAGCATCAGGCCAGGCCCTCTGCCCACTCCCTGCAACCTGATTGTGTCT
CTTGGTCTGCTGCAGTTGCCAGTACACCCGGCCACCTGCGGTGCTATCTCCCCAGCCC
CATCCTCTGTACAGAGCCACGCCCCACTGGTGACATGTCTTTTCTTGCATGAGGCTAG
TGTGGTGTTCCTGGCACTGCTTCCAGTGAGGCTCTGCCCTTGGTTAGGCATTGTGGGAA
GGGGAGATAAGGGTATCTGGTGACTTTCCTCTTTGGTCTACACTGTGCTGAGTCTGAAG
CTGGGTTCTGATCCTAGTTCACCATCAAGCCACCAACTACTCCCATCTGTGAAAGGAA
AGAGGGAGGTAAGGAATACCTGTCCCCCTGACAACACTATTGACCTGAGGCCCTTCTCT
CCAGCCCTGGATGCAGCCTCACAGTCCTTACCAGCAGAGCACCTTAGACAGTCCCTGCC
AATGGACTAACTTGTCTTTGGACCCTGAGGCCAGAGGGCCTGCAAGGGAGTGAGTTGAT
AGCACAGACCCTGCCCTGTGGGCCCAATGGAATGGGCAGAGCAGAGACCATCCCTG
AAGGCCCGCCAGGCTTAGTCACTGAGACAGCCGGGCTCTGCCTCCCATCACCCGCTA
AGAGGGAGGGAGGGCTCCAGACACATGTCCAAGAAGCCAGGAAAGGCTCCAGGAGCAGC
CACATTCTGATGCTTCTCAGAGACTCCTGCAGGCAGCCAGGCCACAAGACCCTTGTGG
TCCCACCCACACAGCCAGATTCTTCTGAGGCTGGGCTCCCTTCCCACCTCTCTCAC
TCCTTGAAAACACTGTTCTCTGCCCTCCAAGACCTTCTCCTTACCTTTGTCCCCACCGC
AGACAGGACCAGGGATTTCCATGATGTTTTCCATGAGTCCCTGTTTGTCTGAAAGGG
ACGCTACCCGGGAAGGGGCTGGGACATGGGAAAGGGGAAGTTGTAGGCATAAAGTCAGG
GGTTCCCTTTTTTGGCTGCTGAAGGCTCGAGCATGCCTGGATGGGGCTGCACCGGCTGGC
CTGGCCCTCAGGGTCCCTGGTGGCAGCTCACCTCTCCCTTGGATTGTCCCCGACCTTG
CCGTCTACCTGAGGGCCTTTATGGGCTGGGTCTACCCAGGTGCTAGGAACACTCCTT
CACAGATGGGTGCTTGGAGGAAGGAAACCAGCTCTGGTCCATAGAGAGCAAGACGCTGT
GCTGCCCTGCCACCTGGCCTCTGCACCTCCCCTGCTGGGTGTGGCGCAGCATATTCAGGA
AGCTCAGGGCCTGGCTCAGGTGGGCTCACTCTGGCAGCTCAGAGAGGGTGGGAGTGGGTC
CAATGCACCTTTGTTCTGGCTCTTCCAGGCTGGGAGAGCCTTTCAGGGGTGGGACCCCTG
TGATGGGGCCCTGCCTCCTTTGTGAGGAAGCCGCTGGGGCCAGTTGGTCCCCCTTCCATG
GACTTTGTAGTTTCTCCAAGCAGGACATGGACAAGGATGATCTAGGAAGACTTTGGAAA
GAGTAGGAAGACTTTGGAAAGACTTTTCCAACCCTCATACCAACGTCTGTGCCATTTTG
TATTTTACTAATAAAAATTTAAAAGTCTTGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAA
    
```

- Restriction Sites:** Please inquire
- ACCN:** NM_002996
- 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_002996.3](#), [NP_002987.1](#)

RefSeq Size: 3304 bp

RefSeq ORF: 1194 bp

Locus ID: 6376

UniProt ID: [P78423](#)

Cytogenetics: 16q21

Domains: IL8

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary: This gene belongs to the CX3C subgroup of chemokines, characterized by the number of amino acids located between the conserved cysteine residues. This is the only member of the CX3C subgroup, which contains three amino acids between cysteine residues, resulting in a Cys-X-X-X-Cys configuration. The encoded protein contains an extended mucin-like stalk with a chemokine domain on top, and exists in both a membrane-anchored form where it acts as a binding molecule, or, in soluble form, as a chemotactic cytokine. The mature form of this protein can be cleaved at the cell surface, yielding different soluble forms that can interact with the G-protein coupled receptor, C-X3-C motif chemokine receptor 1 gene product. This gene plays a role in a wide range of diseases, including cancer, vasculitis, neuropathies, atherosclerosis, inflammatory diseases, and in human immunodeficiency virus infections. [provided by RefSeq, Sep 2017]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).