

## Product datasheet for **SC118950**

### Factor D (CFD) (NM\_001928) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Factor D (CFD) (NM_001928) Human Untagged Clone
Tag:	Tag Free
Symbol:	Factor D
Synonyms:	ADIPSIN; ADN; DF; PFD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118950 sequence for NM_001928 edited (data generated by NextGen Sequencing)

```
ATGCACAGCTGGGAGCGCCTGGCAGTTCTGGTCCTCCTAGGAGCGGCCGCTGCGCGGCG  
CCGCCCGTGGTCGGATCCTGGGCGGCAGAGAGGCCGAGGCGCACGCGCGGCCCTACATG  
GCGTCGGTGCAGCTGAACGGCGCGCACCTGTGCGGCGGCGTCTGGTGGCGGAGCAGTGG  
GTGCTGAGCGCGGCGCACTGCCTGGAGGACGCGGCCGACGGGAAGGTGCAGGTTCTCCTG  
GGCGCGCACTCCCTGTGCGAGCCGGAGCCCTCCAAGCGCCTGTACGACGTGCTCCGCGCA  
GTGCCCCACCCGGACAGCCAGCCCGACACCATCGACCACGACCTCCTGCTGCTACAGCTG  
TCGGAGAAGGCCCACTGGGCCCTGCTGTGCGCCCCCTGCCCTGGCAGCGCGTGGACCGC  
GACGTGGCACCGGAACTCTCTGCGACGTGGCCGGCTGGGGCATAGTCAACCACGCGGGC  
CGCCGCCCGGACAGCCTGCAGCACGTGCTTTGCCAGTGTGGACCGCGCCACCTGCAAC  
CGGCGCACGACACGACGGCGCCATCACCGAGCGCTTATGTGCGCGGAGAGCAATCGC  
CGGACAGCTGCAAGGGTGACTCCGGGGCCCGCTGGTGTGCGGGGGCGTCTCGAGGGC  
GTGGTACCTCGGGCTCGCGCGTTTTCGGCAACCGCAAGAAGCCCGGGATCTACACCCGC  
GTGGCGAGCTATGCGGCCTGGATCGACAGCGTCTGGCCTAG
```

Clone variation with respect to NM\_001928.2



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001928 unedited  
 NTTGTTCGAATATTTGTATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACCAGCTTC  
 ACCATGCACAGCTGGGAGCGCCTGGCAGTTCTGGTCCCTAGGAGCGGCCGCTGCGCG  
 GCGCCGCCCGTGGTCCGATCCTGGGCGGCAGAGAGGCCGAGGCCGACGCGCGGCCCTAC  
 ATGGCGTCGGTGCAGTGAACGGCGCGCACCTGTGCGGCGGCTCCTGGTGGCGGAGCAG  
 TGGGTGCTGAGCGCGCGCACTGCCTGGAGGACGCGGCCGACGGGAAGGTGCAGTTCTC  
 CTGGGCGCGCACTCCCTGTCGACGCCGAGCCCTCCAAGCGCCTGTACGACGTGCTCCGC  
 GCAGTGCCCAACCCGGACAGCCAGCCCGACACCATCGACCACGACCTCCTGCTACAG  
 CTGTCCGAGAAGGCCACACTGGGCCCTGCTGTGCGCCCTGCCCTGGCAGCGCTGGAC  
 CGCGACGTGGCACCAGGAACTCTCTGCGACGTGGCCGGCTGGGGCATAGTCAACCACGG  
 GGCCGCCCGCCGACAGCCTGCAGCACGTGCTCTTGCCAGTGTGGACCGCGCCACTGC  
 AACCGCGCACGCCACGACGGCGCCATCACCAGCGCTTGATGTGCGCGGAGAGCAAT  
 CGCCGTGACAGTGAAGGGTACTCCGNGGCCCGCTGGTGTGCGGNGGCGTGTCTGAG  
 GCGTGGTCCCCTCGGCTCGCGCTTTGCGGCAACCGCAAGAAGCCGGGATCTACACC  
 GCGTGGCGAGCTATGCGGCTGGATCGACAGCTTCTGGCCTAGGGTGCCGGGCTGAA  
 GGTGAGGGTACCCAAGCAACAAGTCCCGAGCAATGAAGTCATCCACTCCTGCATCTGG  
 TTGGGCTTTTATGAGCACCTACTTATGCAGAGNGGAGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001928 unedited  
 NACCCCAAAAAACAACACAAACCACCCCAAAACCCTTACTTGAACGGGCCGCTTTCT  
 ANATCGAGANTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCCAGCTAATTTTTTAT  
 TTATTTGTAAGATGGAGTCGCGCTACGTGGCCATGCTGATCTCGAACTCCTGAGATCC  
 AATGATCTCCACCTTGGGCTCCCTTCTGCATATAGTAGGGGTTAATAAAGACCAAC  
 CAGATGCCGAGCGGACGACTTATTGCTCGGGACTTTGTTGCTTGGGTGACCCTGACCT  
 TCAAGCCCGGCCACCCTAGGCCAGGACCCTGTCGATCCAGGCCGATAGTTTGTCCCGG  
 GGTGTACATCCCGGCTTCTTGGGGTTGGCGTACACGCGGAGCCGAGGTGACCACACC  
 CTCAATCACGCCCCGCAAACCCCGGCCCTTGGCATCACCTTCCACCCTGTCCGC  
 CCACTGGTTTTCGCGCACATCACAGCCTCCTCGATGTGCCCCCTTTCTGTGCCACCCC  
 CTCACGCCGAGGCGCCCCACCCCACTCGCCATTAACCTATCCAACCCATCCCGGTG  
 TGTACCCACGCGCCCAACAATTCCTATTCCTCCCTTACCCTAGACTTATTCCTCCAA  
 GCCCACCTCATCTCCCACTAACCTTGGCCCTCCCTCCCTTCCCTTCCCAATTTCCCTT  
 CTTTCCCTCTCACCCCTTTTGGCCCGCCTCCCTTCCCTTCCCAATTTCCCTT  
 TGTCTTCTCTACTCCTCTCACTGCTCCTCTGCCCTCTCGTTCCCTCTTCTTCTCC  
 TCCCCCTCCTCCTTCCCTTCCCTCATCCATTGCTTCCCTTATTTCTCTATCCC  
 TTTCTACCCCTCCCTCCCTTTTTTTN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001928

**Insert Size:**

1020 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).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001928.2</a> , <a href="#">NP_001919.2</a>
<b>RefSeq Size:</b>	1173 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	1675
<b>UniProt ID:</b>	<a href="#">P00746</a>
<b>Cytogenetics:</b>	19p13.3
<b>Domains:</b>	Tryp_SPc
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein
<b>Protein Pathways:</b>	Complement and coagulation cascades
<b>Gene Summary:</b>	<p>This gene encodes a member of the S1, or chymotrypsin, family of serine peptidases. This protease catalyzes the cleavage of factor B, the rate-limiting step of the alternative pathway of complement activation. This protein also functions as an adipokine, a cell signaling protein secreted by adipocytes, which regulates insulin secretion in mice. Mutations in this gene underlie complement factor D deficiency, which is associated with recurrent bacterial meningitis infections in human patients. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protease. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).</p>