

## Product datasheet for **TP309272L**

### Factor D (CFD) (NM\_001928) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens complement factor D (adipsin) (CFD), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209272 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MHSWERLAVLVLLGAAACAAPPRGRILGGREAEAHARPYMASVQLNGAHLCCGGVLVAEQWVLSAAHCLED  
AADGKVVLLGAHLSQPEPSKRLYDVLRAVPHPSQPDTIDHLLLLQLSEKATLGPVAVRPLPWQRVDR  
DVAPGTLCDVAGWGIVNHAGRRPDSLQHVLLPVLDLDRATCNRRRTHHDGAITERLMCAESNRRDSCCKGDSGG  
PLVCGGVLEGVVTSGSRVCGNRKKPGIYTRVASYAAWIDSVLA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	24.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001919</a></u>
Locus ID:	1675
UniProt ID:	<u><a href="#">P00746</a></u>



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RefSeq Size: 1173

Cytogenetics: 19p13.3

RefSeq ORF: 759

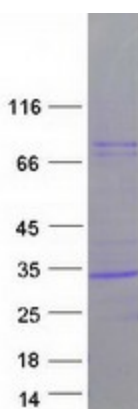
Synonyms: ADIPSIN; ADN; DF; PFD

**Summary:** 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]

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**Protein Pathways:** Complement and coagulation cascades

### Product images:



Coomassie blue staining of purified CFD protein (Cat# [TP309272]). The protein was produced from HEK293T cells transfected with CFD cDNA clone (Cat# [RC209272]) using MegaTran 2.0 (Cat# [TT210002]).