

Recombinant Mouse Cfd Protein, MYC/DDK-tagged

Cat. No. Cfd-546M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse complement factor D (adipsin) (Cfd), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a serine protease that plays an important role in the alternative pathway of complement activation for pathogen recognition and elimination. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional enzyme that in turn cleaves factor B in the complement pathway. This gene is expressed in adipocytes and the mature enzyme is secreted into the bloodstream. Mice lacking the encoded product cannot initiate alternative pathway of complement activation.
Molecular Mass	28.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Cfd complement factor D (adipsin) [*Mus musculus* (house mouse)]

Official Symbol Cfd

Synonyms Cfd; complement factor D (adipsin); DF; Adn; complement factor D; 28 kDa adipocyte protein; C3 convertase activator; D component (adipsin) of complement; properdin factor D; EC 3.4.21.46

Gene ID 11537

mRNA Refseq NM_013459

Protein Refseq NP_038487

UniProt ID P03953

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