

## Recombinant Mouse Cfd Protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse complement factor D (adipsin) (Cfd), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	28.5 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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