

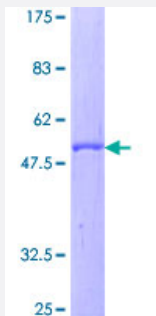
Full-Length

DF (Human) Recombinant Protein (P01)

Catalog # H00001675-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DF full-length ORF (NP_001919.2, 1 a.a. - 253 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MHSWERLAVLVLLGAAACAAPPRGRILGGREAEAHARPYMASVQLNGAHLCCGGVLVAEQWVLS
AAHCLEDAADGKVQVLLGAHSLSQPEPSKRLYDVLRAVPHPDSPDTHDLLLLQLSEKATLGP
AVRPLPWQRVDRDVAPGTLCDVAGWGVNHAGRRPDSLQHVLLPVLDRAHCNRRTHHDGAITER
LMCAESNRRDSCKGDSGGPLVCGGVLEGVVTSGSRVCGNRKKPGIYTRVASYAAWIDSVLA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.4

Interspecies Antigen Sequence

Mouse (66); Rat (68)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CFD

Entrez GeneID	1675
GeneBank Accession#	NM_001928.2
Protein Accession#	NP_001919.2
Gene Name	CFD
Gene Alias	ADIPSIN, ADN, DF, PFD
Gene Description	complement factor D (adipsin)
Omim ID	134350
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology. [provided by RefSeq]
Other Designations	C3 convertase activator D component of complement (adipsin) complement factor D complement factor D preproprotein properdin factor D

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)