

Recombinant Rat Cfd protein, His-tagged

Cat. No. Cfd-1860R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cfd aa. (Met1~Ala263) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Ala263
Description	Serine protease adipocyte-specific protein mediated by the Notch/Hes-1 signaling pathway; can be used as a fecal biomarker for abnormal intestinal epithelial differentiation.
Form	Freeze-dried powder
Molecular Mass	27kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

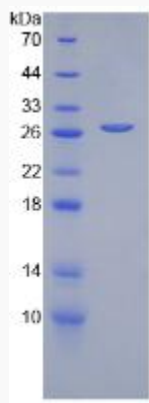
GENE INFORMATION

Gene Name	Cfd complement factor D [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Cfd
Synonyms	CYP1A2; cytochrome P450 family 1 subfamily A member 2; CP12; CYP1A2; P3-450; P450(PA); cytochrome P450 1A2; P450 form 4; aryl hydrocarbon hydroxylase; cholesterol 25-hydroxylase; cytochrome P(3)450; cytochrome P450 4; cytochrome P450, family 1, subfamily A, polypeptide 2; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2; cytochrome P450-P3; dioxin-inducible P3-450; flavoprotein-linked monooxygenase; microsomal monooxygenase; xenobiotic monooxygenase

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Gene ID	54249
mRNA Refseq	NM_001077642.1
Protein Refseq	NP_001071110.1
UniProt ID	P32038
 SDS-PAGE	