

Recombinant Human FCN3 protein, His-tagged

Cat. No. FCN3-1949H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCN3 aa. (Glu34~Met297) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu34~Met297
Description	Ficolins are a group of proteins which consist of a collagen-like domain and a fibrinogen-like domain. In human serum, there are two types of ficolins, both of which have lectin activity. The protein encoded by this gene is a thermolabile beta-2-macroglycoprotein found in all human serum and is a member of the ficolin/opsonin p35 lectin family. The protein, which was initially identified based on its reactivity with sera from patients with systemic lupus erythematosus, has been shown to have a calcium-independent lectin activity. The protein can activate the complement pathway in association with MASPs and sMAP, thereby aiding in host defense through the activation of the lectin pathway. Alternative splicing occurs at this locus and two variants, each encoding a distinct isoform, have been identified.
Form	Freeze-dried powder
Molecular Mass	31kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 98%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
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 0.1-1.0 mg/mL. Do not vortex.

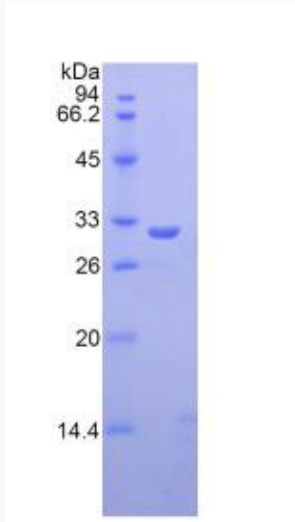
GENE INFORMATION

Gene Name	FCN3 ficolin 3 [Homo sapiens (human)]
Official Symbol	FCN3

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Synonyms	DFNA4; MHC16; MYH17; PNMHH; DFNA4A; myosin; FP17425; NMHC II-C; NMHC-II-C; MYH14 variant protein; myosin heavy chain, non-muscle IIc; myosin, heavy chain 14, non-muscle; myosin, heavy polypeptide 14; non-muscle myosin heavy chain IIc; nonmuscle myosin heavy chain II-C; myosin-14
Gene ID	8547
mRNA Refseq	NM_003665.3
Protein Refseq	NP_003656.2
UniProt ID	O75636
 SDS-PAGE	