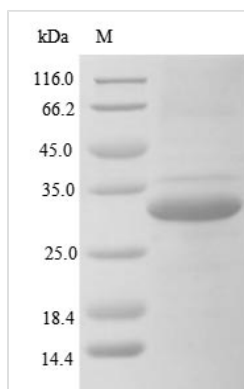




Recombinant Human Ficolin-3 (FCN3)

Product Code	CSB-EP008552HUc7
Relevance	May function in innate immunity through activation of the lectin complement pathway. Calcium-dependent and GlcNAc-binding lectin. Has affinity with GalNAc, GlcNAc, D-fucose, as mono/oligosaccharide and lipopolysaccharides from S.typhimurium and S.minnesota.
Abbreviation	Recombinant Human FCN3 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O75636
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	QEHPSCPGPRELEASKVVLLPSCPGAPGSPGEKGAPGPQGPPGPPGKMGPK GEPGDPVNLLRCQEGPRNCRELLSQGATLSGWYHLCLPEGRALPVFCDMDT EGGGWLVFQRRQDGSVDFFRSWSSYRAGFGNQESEFWLGNENLHQLTLQG NWELRVELEDFNGNRTFAHYATFRLLGEVDHYQLALGKFSEG TAGDSLHLS GRPFTTYDADHDSSNSNCAVIVHGAWWYASCYRSNLNGRYAVSEAAAHKYGI DWASGRGVGHPYRRVRMMLR
Research Area	Immunology
Source	E.coli
Target Names	FCN3
Protein Names	Collagen/fibrinogen domain-containing lectin 3 p35Collagen/fibrinogen domain-containing protein 3Hakata antigenFCNH, HAKA1
Expression Region	24-299aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	34.4 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 24-299 constitute the expression domain of recombinant Human FCN3. This FCN3 protein is theoretically predicted to have a molecular weight of 34.8 kDa. The FCN3 protein was expressed in e.coli. The FCN3 gene fragment has been modified by fusing the C-terminal 6xHis tag, providing convenience in detecting and purifying the recombinant FCN3 protein during the following stages.

Human ficolin-3 (FCN3) is a soluble pattern recognition receptor involved in the innate immune system. It belongs to the collectin family and plays a crucial role in recognizing and binding to microbial pathogens. FCN3 is primarily known for its ability to initiate the lectin complement pathway, leading to the activation of the immune response against invading microorganisms. Beyond its role in immunity, FCN3 has been associated with various diseases, including autoimmune disorders and infectious diseases. Research on FCN3 spans immunology, infectious diseases, and host-pathogen interactions, contributing to a deeper understanding of the innate immune response and potential therapeutic strategies for immune-related conditions.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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