



Recombinant Human Ficolin-3 (FCN3)

Product Code	CSB-EP008552HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75636
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	QEHPSCP GPRELEASEASKV VLLPSCPGAP GSPGEKGGAPG PQGPPGPPGK MGPKGEPGDP VNLLRCQEGP RNCRELLSQG ATLSGWYHLC LPEGRALPVF CDMDTEGGGW LVFQRRQDGS VDFFRSWSSY RAGFGNQESE FWLGNENLHQ LTLQGNWELR VELEDFNGNR TFAHYATFRL LGEVDHYQLA LGKFSEGTAG DSLSLHSGRP FTTYDADHDS SNSNCAVIVH GAWWYASCYR SNLNGRYAVS EAAAHKYGID WASGRGVGHP YRRVRMMLR
Source	E.coli
Target Names	FCN3
Protein Names	Recommended name: Ficolin-3 Alternative name(s): Collagen/fibrinogen domain-containing lectin 3 p35 Collagen/fibrinogen domain-containing protein 3 Hakata antigen
Expression Region	24-299
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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. This protein 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.
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

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.