



# Recombinant Human Ficolin-1 (FCN1)

<b>Product Code</b>	CSB-MP008550HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O00602
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	A DTCPEVKVVG LEGSDKLTIL RGCPGLPGAP GPKGEAGVIG ERGERGLPGA PGKAGPVGPK GDRGEKGMRG EKG DAGQSQS CATGPRNCKD LLDRGYFLSG WHTIYLPDCR PLTVLCDMDT DGGGWTVFQR RMDGSVDFYR DWAAYKQGFG SQLGEFWLGN DNIHALTAQG SSELRVLDVD FEGNHQFAKY KSFKVADEAE KYKLVLGAFV GGSAGNSLTG HNNNFFSTKD QDNDVSSSNC AEKFQGAWWY ADCHASNLNG LYLMGPHEsy ANGINWSAAK GYKYSYKVSE MKVRPA
<b>Source</b>	Mammalian cell
<b>Target Names</b>	FCN1
<b>Protein Names</b>	Recommended name: Ficolin-1 Alternative name(s): Collagen/fibrinogen domain-containing protein 1 Ficolin-A Ficolin-alpha M-ficolin
<b>Expression Region</b>	30-326
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	The ficolin family of proteins are characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. The collagen-like and the fibrinogen-like domains are also found separately in other proteins such as complement protein C1q, C-type lectins known as collectins, and tenascins. However, all these proteins recognize different targets, and are functionally distinct. Ficolin 1 encoded by FCN1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.