

Rev01  
 Update: Mar,14,2025

## DATASHEET

# ficolin 1/FCN1, His, Human

Cat. No.: Z05307

## Product Introduction

|                                     |  |
|-------------------------------------|--|
| <b>Species</b>                      | Human  |
| <b>Protein Construction</b>         | <div> <div>ficolin 1/FCN1 (Ala30-Ala326)<br/>Accession # NP_001994.2</div> <div>His</div> </div> <div>N-termC-term</div>   |
| <b>Purity</b>                       | > 95% as determined by Bis-Tris PAGE   |
| <b>Endotoxin Level</b>              | Less than 1EU per µg by the LAL method.  |
| <b>Expression System</b>            | HEK293   |
| <b>Theoretical Molecular Weight</b> | 33.11 kDa  |
| <b>Apparent Molecular Weight</b>    | Due to glycosylation, the protein migrates to 34-38 kDa based on Bis-Tris PAGE result.   |
| <b>Formulation</b>                  | Lyophilized from 0.22 µm filtered solution in PBS, 350mM NaCl, 200mM Arginine (pH 7.4).  |
| <b>Reconstitution</b>               | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                             |
| <b>Storage &amp; Stability</b>      | Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles. |

## Background

**Target Background :** The ficolins are members of a recently discovered family of host innate opsonins that can activate the lectin pathway of complement. The ficolins bind many ligands, although they are typically described as binding acetylated sugars. Ficolin-1 is the least-described of the Ficolins and is expressed by monocytes, granulocytes, and in the lungs. Ficolin-1 is found circulating at low concentrations in serum but is regarded primarily as a secretory molecule that exerts its function locally in inflamed tissues.

**Synonyms :** ficolin 1; FCN1; ficolin1; Ficolin-A; M-ficolin; FCNM

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China