

Ficolin-1 Protein, Rhesus Macaque (HEK293, Fc)

Cat. No.:	HY-P77368
Synonyms:	Collagen/fibrinogen domain-containing protein 1; Ficolin-A; M-ficolin; FCN1; FCNM
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001098002 (A30-A326)
Gene ID:	712405
Molecular Weight:	Approximately 59.1 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Lectins are classified as C-type lectins. C-type lectins are carbohydrate-binding proteins that require calcium to bind. Ficolins recognize and bind to pathogens, leading to neutralization and conditioning, which subsequently activates the complement lectin pathway. Ficolin-1 functions locally after inflammatory lesions in monocyte, macrophage, and granulocyte secretion, and is also present in serum, suggesting that it may play a role in systemic immunity. Ficolin-1 is assembled on the cell surface via its fibrin-as-is domain and accepts sialic acid as a ligand ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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