

Complement Factor D/Adipsin Protein, Mouse (234a.a, HEK293, His)

Cat. No.:	HY-P7876
Synonyms:	rMuComplement Factor D/Adipsin, His; Complement factor D; 28 kDa adipocyte protein; Adipsin; C3 convertase activator; Properdin factor D; Cfd; Adn; Df
Species:	Mouse
Source:	HEK293
Accession:	P03953 (I26-S259)
Gene ID:	11537
Molecular Weight:	40-49 kDa

PROPERTIES

AA Sequence	<pre> I L G G Q E A A A H A R P Y M A S V Q V N G T H V C G G T L L D E Q W V L S A A H C M D G V T D D D S V Q V L L G A H S L S A P E P Y K R W Y D V Q S V V P H P G S R P D S L E D D L I L F K L S Q N A S L G P H V R P L P L Q Y E D K E V E P G T L C D V A G W G V V T H A G R R P D V L H Q L R V S I M N R T T C N L R T Y H D G V V T I N M M C A E S N R R D T C R G D S G S P L V C G D A V E G V V T W G S R V C G N G K K P G V Y T R V S S Y R M W I E N I T N G N M T S </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	Complement Factor D/Adipsin Protein functions by cleaving factor B, specifically when it is complexed with factor C3b. This cleavage activates the C3bbb complex, transforming it into the C3 convertase of the alternate pathway. The protein's role is homologous to that of C1s in the classical pathway.
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Caution: Product has not been fully validated for medical applications. For research use only.

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