Product Name: Recombinant Mouse CFD (C-6His)
Catalog #: PHM0437

Summary

Name	Complement Factor D/Adipsin
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Complement Factor D is produced by our Mammalian expression system and the target gene encoding Ile26-Ser259 is expressed with a 6His tag at the C-terminus.
Accession #	P03953
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	26.5 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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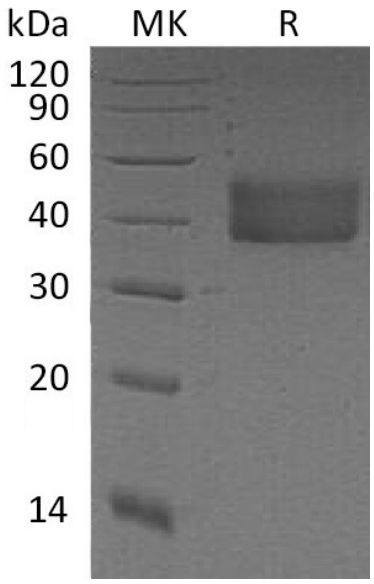

Alternative Names

Complement factor D; 28 kDa adipocyte protein; Adipsin; C3 convertase activator; Properdin factor D; Cfd; Adn; Df

Background

Complement factor D, also known as adipsin, is a member of the chymotrypsin family of serine proteases, which plays an essential role in host defense as the rate-limiting enzyme in the alternative pathway of complement activation. Complement factor D activates a convertase (C3bBb) responsible for cleavage of the complement protein C3, which leads to the activation of terminal complement component C5-9 to form the membrane attack complex on microbial or cellular surfaces. It also functions in the regulation of systemic energy balance and physiologic and pathologic processes, including immunity and inflammation.

Note

For Research Use Only , Not for Diagnostic Use.