

Recombinant Mouse Factor D/Cfd protein (His tag)

Catalog No. PKSM041212

Note: Centrifuge before opening to ensure complete recovery of vial contents.

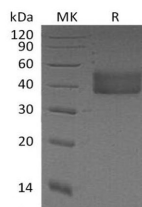
Description

Synonyms	Complement factor D, 28 kDa adipocyte protein, Adipsin, C3 convertase activator, Properdin factor D, Cfd, Adn, Df
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met1-Ser259
Accession	P03953
Calculated Molecular Weight	26.5 kDa
Observed molecular weight	40 kDa
Tag	C-His
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Complement factor D, also known as adipsin, is a member of the chymotrypsin family of serine proteases, which plays an

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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.