

Complement factor D Protein, Rat, Recombinant (His)

General Information

Synonyms:	Adipsin;Adn;Complement factor D;Properdin factor D;Cfd;Df;Endogenous vascular elastase; C3 convertase activator
Protein Construction:	26-263 aa
Species:	Rat
Expression Host:	P. pastoris (Yeast)
Accession:	P32038
Molecular Weight:	27.8 kDa (predicted)
AA Sequence:	ILGGQEAMAHARPYMASVQVNGTHVCGGTLVDEQWVLSAAHCMDGVTKDEVVQVLLGAHLSLSSPEPYKHL YDVQSVVLLHPGSRPDSVEDDLMLFKLSHNASLGPHVRPLPLQREDREVKPGTLCDVAGWGVVTHAGRRPDV LQQLTVSIMDRNTCNLRTYHDGAITKNMMCAESNRRDTCRGDSSGGLVCGDAVEAVVTWGSRVCGNRRKP GVFTRVATYVPWIENVLSGNVSVNVTA

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Factor D cleaves factor B when the latter is complexed with factor C3b, activating the C3bbb complex, which then becomes the C3 convertase of the alternate pathway. Its function is homologous to that of C1s in the classical pathway.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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