

Recombinant human complement factor D

CAT No. UCD002
LOT No. 531
100 µg



orders@immunoprecise.com
www.immunoprecise.com

Product description

This gene encodes a member of the S1, or chymotrypsin, family of serine peptidases. This protease catalyzes the cleavage of factor B, the rate-limiting step of the alternative pathway of complement activation. This protein also functions as an adipokine, a cell signaling protein secreted by adipocytes, which regulates insulin secretion in mice. Mutations in this gene underlie complement factor D deficiency, which is associated with recurrent bacterial meningitis infections in human patients.

Reference sequences: NM_001928
NP_001919
Swiss-prot P00746

Alternative names: D component of complement
adipsin
properdin factor D
C3 convertase activator

EC number: 3.4.21.46
Gene ID: 1675

Residues 26-253 of human Complement factor D were cloned, the protein was over-expressed in HEK293EBNA1 cells and was purified to homogeneity. The calculated molecular weight of recombinant human complement factor D is 24.7 kDa. Each vial contains 100 µg complement factor D at 4.49 mg/ml.

Sequence

miparfagvllalilpgtgsilggreaeaharpymasvqlngahlcggvlvaeqwvlsaahcledaadgkvqvllgahslsqpepskrlydvlravphpdsqpdtdidhllllqsekatlgpavrpplpwqrvdrdvapgtlcvagwgivnhagrrpdsdqhvlvpvldratcnrrrthhdgaiterlmcaesnrdsckgdsggplvcggvlegvvtsgsvrcgnrkkpgiytrvasyaawidsvlaaa*

Storage and stability

Recombinant complement factor D should be stored at - 80 °C (stable for at least 1 year). The protein is stored in 25 mM Tris 150 mM NaCl pH 7.5. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

U-Protein Express BV products contain chemicals which may be harmful if misused. Due care should be exercised with all U-Protein Express BV products to prevent direct human contact. All products are intended For Research Use Only and ARE NOT ALLOWED FOR USE IN HUMANS. Each U-Protein Express BV product is shipped with documentation stating specifications and other technical information. U-Protein Express BV products are warranted to meet or exceed the stated specifications. U-Protein Express BV's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. U-Protein Express BV makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO U-Protein Express BV PRODUCTS. In no event shall U-Protein Express BV be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of U-Protein Express BV products to perform in accordance with the stated specifications.