9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Adipsin Human

Complement Factor D Human Recombinant
RCP0016

Product Overview

Name	Adipsin Human
Description	
Complement Factor D Human Recombinant	
Accession (Primary)	P00746
Synonyms	
Complement factor D, EC 3.4.21.46, Adipsin, C3 convertase activator, Properdin factor D, CFD, DF, PFD, ADN.	
Introduction	
Complement Factor D (Adipsin), which belongs to the trypsin family of peptidases, is involved in the alternative complement pathway of the complement system where it cleaves factor B. In the alternative complement pathway, Adipsin is best known for its role in humoral suppression of infectious agents. In addition, Adipsin is a serine protease which is secreted by adipocytes into the bloodstream. Ultimately, Adipsin has a high level of expression in fat, proposing a role for adipose tissue in immune system biology.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
Adipsin protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M ILGGREAEA HARPYMASVQ LNGAHLCGGV LVAEQWVLSA AHCLEDAADG KVQVLLGAHS LSQPEPSKRL YDVLRAVPHP DSQPDTIDHD LLLLQLSEKA TLGPAVRPLP WQRVDRDVAP GTLCDVAGWG IVNHAGRRPD SLQHVLLPVL DRATCNRRTH HDGAITERLM CAESNRRDSC KGDSGGPLVC GGVLEGVVTS GSRVCGNRKK PGIYTRVASY AAWIDSVLA.	

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Precautions

Adipsin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00746)