
Product Data Sheet

Product Name: CFI Human
Cat. No.: GP26255
Batch No.: 1

Product Data

Purity	>98%	Source	Human Plasma.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Complement factor I, C3B/C4B inactivator, CFI, IF.		
Formulation	CFI protein solution contains 10mM Sodium phosphate and 145mM NaCl, pH 7.2.		

Introduction

CFI cleaves and inactivates C3b and C4b. CFI is inactive without a cofactor such as the soluble factor H and C4b binding protein. CFI cleaves the alpha-peptide chain of C3b and C4b when these binds1 of the cofactors. This cleavage inactivates all of the complement activating functions of these proteins producing iC3b and iC4b.CFI cleaves the alpha chain of C3b twice and this releases a small fragment called C3f. CFI can cleave iC3b releasing C3c from C3dg in the presence of CR1.C4b is cleaved rapidly at 2 sites separating C4c from C4d.

Stability

CFI Human is stable at 4°C if entire vial will be used within 2-4 weeks.Store, frozen below -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.

Background

Human Complement Factor I produced in Human plasma is glycosylated polypeptide composed of 2 disulfide-linked chains having a total molecular mass of 88kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA