Datasheet for ABIN7318327

C8G Protein (His tag)

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Overview

Quantity:	50 µg
Target:	C8G
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This C8G protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Complement Component C8 Gamma Chain/C8G Protein (His Tag)
Sequence:	Gln21-Arg202
Characteristics:	Recombinant Human Complement component C8 gamma chain is produced by our E.coli expression system and the target gene encoding Gln21-Arg202 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	C8G
Alternative Name:	Complement Component C8 Gamma Chain/C8G (C8G Products)
Background:	Background: Complement component C8 is a constituent of the membrane attack complex, C8 alpha, C8 beta and C8G. C8G is a secreted protein and comsists a disulfide-linked C8 alpha-

Target Details

	gamma heterodimer and a non-covalently associated C8 beta chain. C8 alpha and C8 beta play an important role in complement-mediated bacterial killing together.C8 is involved in the formation of Membrane Attack Complex on bacterial cell membranes. C8 binds to the C5B-7 complex, forming the C5B-8 complex. C5-B8 binds C9 and acts as a catalyst in the polymerization of C9. The gamma subunit seems to be able to bind retinol. Patients lacking C8 are susceptible to certain bacterial infections. Synonym: Complement component C8 gamma chain,C8G
Molecular Weight:	22.6 kDa
UniProt:	P07360
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.