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Datasheet for ABIN1880330 Complement C4 Protein

Overview

Quantity:	1 mg
Target:	Complement C4 (C4)
Origin:	Human
Source:	Human
Protein Type:	Native

Product Details

Purification:	Purified
Purity:	> 90 % by SDS-PAGE

Target Details

Target:	Complement C4 (C4)
Alternative Name:	Complement C4 (C4 Products)
Background:	<p>Complement C4 encodes the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or</p>

Target Details

absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9. [

Pathways: [Complement System](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 10mM PBS (pH 7.4).

Storage: 4 °C