

### Native Cow CRYGD protein ab113186

画像数 1

#### 製品の詳細

製品名	Native Cow CRYGD protein
精製度	>= 90 % SDS-PAGE. ab113186 is purified by multi-step chromatography.
発現系	Native
アクセッション番号	<b><u>P08209</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Native
生物種	Cow
予測される分子量	19 kDa
領域	1 to 174
配列の追加情報	Source = bovine eye lens

#### 特性

Our **Abpromise guarantee** covers the use of **ab113186** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Western blot SDS-PAGE
製品の状態	Liquid

#### 前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: 0.09% Sodium azide Constituent: 99% PBS
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#### 関連情報

機能	Crystallins are the dominant structural components of the vertebrate eye lens.
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## 関連疾患

Defects in CRYGD are a cause of cataract autosomal dominant (ADC) [MIM:604219]. Cataract is an opacification of the crystalline lens of the eye that frequently results in visual impairment or blindness. Opacities vary in morphology, are often confined to a portion of the lens, and may be static or progressive. In general, the more posteriorly located and dense an opacity, the greater the impact on visual function. Cataract is the most common treatable cause of visual disability in childhood.

Defects in CRYGD are the cause of cataract congenital non-nuclear polymorphic autosomal dominant (CCP) [MIM:601286]; also known as polymorphic congenital cataract. A congenital cataract characterized by a non-progressive phenotype and partial opacity that has a variable location between the fetal nucleus of the lens and the equator. The fetal nucleus is normal. The opacities are irregular and look similar to a bunch of grapes and may be present simultaneously in different lens layers.

Defects in CRYGD are the cause of cataract congenital cerulean type 3 (CCA3) [MIM:608983]; also known as congenital cataract blue dot type 3. A cerulean form of autosomal dominant congenital cataract. Cerulean cataract is characterized by peripheral bluish and white opacifications organized in concentric layers with occasional central lesions arranged radially. The opacities are observed in the superficial layers of the fetal nucleus as well as the adult nucleus of the lens. Involvement is usually bilateral. Visual acuity is only mildly reduced in childhood. In adulthood, the opacifications may progress, making lens extraction necessary. Histologically the lesions are described as fusiform cavities between lens fibers which contain a deeply staining granular material. Although the lesions may take on various colors, a dull blue is the most common appearance and is responsible for the designation cerulean cataract.

Defects in CRYGD are the cause of cataract crystalline aculeiform (CACA) [MIM:115700]. A congenital crystalline cataract characterized by fiberglass-like or needle-like crystals projecting in different directions, through or close to the axial region of the lens. The opacity causes a variable degree of vision loss.

## 配列類似性

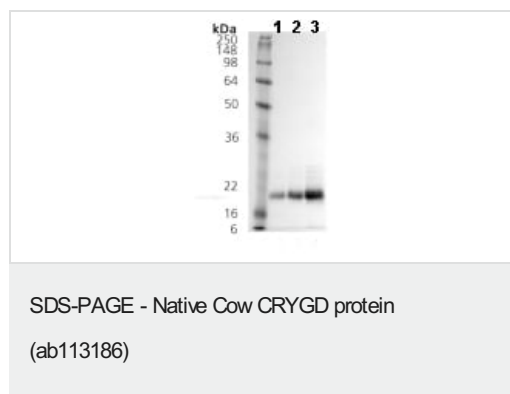
Belongs to the beta/gamma-crystallin family.

Contains 4 beta/gamma crystallin 'Greek key' domains.

## ドメイン

Has a two-domain beta-structure, folded into four very similar Greek key motifs.

## 画像



SDS-PAGE showing [ab112186](#)

Lane 1: 1.0µg protein

Lane 2: 2.0µg protein

Lane 3: 5.0µg protein

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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