

## Product datasheet

# Recombinant Human CRYBA4 protein ab113143

### 製品の概要

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| 製品名    | Recombinant Human CRYBA4 protein |
| タンパク質長 | Full length protein              |

### 製品の詳細

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| 由来 | Recombinant      |
| 由来 | Escherichia coli |

### アミノ酸配列

アクセッション番号 [P53673](#)

生物種 Human

配列 **MGSSHHHHHSSGLVPRGSHMTLQCTKSAGPWKMVVWDEEDGFQRRHEFT  
AECPSVLELGFETVRSCLKVLSGAWVGFEGAGFQGQYILERGEYPSWDAW  
GGNTAYPAERLTSFRPAACANHRDSRLTIFEQENFLGKKGELSDDYPSLQ  
AMGWEGNEVGSFHVHSGAWVCSQFPGYRGFQYVLECDHHSVDYKHFREWG  
SHAPTFQVQSIRRIQQ**

分子量 25 kDa including tags

領域 1 to 196

タグ His tag N-Terminus

### 特性

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Our [Abpromise guarantee](#) covers the use of **ab113143** in the following tested applications.

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

|          |  |
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| アプリケーション | Functional Studies<br>SDS-PAGE   |
| 質量分析     | MALDI-TOF  |
| 精製度      | > 95 % SDS-PAGE.<br>ab113143 was purified using conventional chromatography. |
| 製品の状態    | Liquid   |

### 前処理および保存

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## 保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 20% Glycerol, 0.58% Sodium chloride, 0.02% DTT

## 関連情報

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**機能** Crystallins are the dominant structural components of the vertebrate eye lens.

**関連疾患** Defects in CRYBA4 are the cause of cataract zonular type 2 (CZ2) [MIM:610425]; also known as lamellar cataract 2. A form of zonular cataract. Zonular or lamellar cataracts are opacities, broad or narrow, usually consisting of powdery white dots affecting only certain layers or zones between the cortex and nucleus of an otherwise clear lens. The opacity may be so dense as to render the entire central region of the lens completely opaque, or so translucent that vision is hardly if at all impeded. Zonular cataracts generally do not involve the embryonic nucleus, though sometimes they involve the fetal nucleus. Usually sharply separated from a clear cortex outside them, they may have projections from their outer edges known as riders or spokes. Defects in CRYBA4 are a cause of microphthalmia isolated with cataract type 4 (MCOPCT4) [MIM:610426]. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues. Ocular abnormalities like opacities of the cornea and lens, scarring of the retina and choroid, cataract and other abnormalities like cataract may also be present.

**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.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

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