

## Product datasheet

# Recombinant Human RBP4 protein ab63267

### Description

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<b>Product name</b>	Recombinant Human RBP4 protein
<b>Purity</b>	> 95 % SDS-PAGE. Endotoxin: <0.5 EU/ug protein.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MSWWHHHHHH NWNIPPTTQDT TERDCRVSSF RVKENFDKAR FSGTWYAMAK KDPEGLFLQD NVAEFSVDE TGQMSATAKG RVLLNNWDV CADMVGTFD TEDPAKFKMK YGVASFLQK GNDDHWIVDT DYDTYAVQYS CRLNLDGTC ADSYFVFSR DPNGLPPEAQ KIVRQRQEEL CLARQYRLIV HNGYCDGRSE RNLL

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab63267** in the following tested applications.

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

<b>Applications</b>	Western blot ELISA Functional Studies SDS-PAGE
<b>Form</b>	Lyophilised

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: None Constituents: PBS, pH 7.5
<b>Reconstitution</b>	Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the

lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

## General Info

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<b>Function</b>	Delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin, this prevents its loss by filtration through the kidney glomeruli.
<b>Involvement in disease</b>	Defects in RBP4 are a cause of retinol-binding protein deficiency (RBP deficiency) [MIM:180250]. This condition causes night vision problems. It produces a typical 'fundus xerophthalmicus', featuring a progressed atrophy of the retinal pigment epithelium.
<b>Sequence similarities</b>	Belongs to the calycin superfamily. Lipocalin family.
<b>Cellular localization</b>	Secreted.

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

## 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.com/abpromise> or contact our technical team.

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