

## Product datasheet

# Recombinant Human CBR1 protein ab117172

### Overview

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<b>Product name</b>	Recombinant Human CBR1 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P16152</a>
<b>Species</b>	Human
<b>Sequence</b>	MSSGIHVALVTGGNKGIGLAMRDLCLRFSGDVVLTARDVTRGQAAVQQL QAEGLSPRFHQLDIDDLQSIKALRDFLRKEYGGLDVLVNNAGIAFKVADP TPFHQAQVMTKTNFFGTRDVCTELLPLIKPQGRVVNVSSIMSVRALKSC SPELQQKFRSETITEEELVGLMNKFVEDTKKGVHQKEGWPSAYGVTKIG VTVLSRIHARKLSEQRKGDKILLNACCPGWVRTDMAGPKATKSPEEGAET PVYLALLPPDAEGPHGQFVSEKRVEQW
<b>Molecular weight</b>	30 kDa
<b>Amino acids</b>	1 to 277

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab117172** 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>	SDS-PAGE
<b>Purity</b>	> 95 % SDS-PAGE. ab117172 is purified by proprietary chromatographic techniques.
<b>Form</b>	Liquid
<b>Additional notes</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Please see notes section.
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pH: 8.50

Constituents: 0.32% Tris HCl, 10% Glycerol

## General Info

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<b>Function</b>	NADPH-dependent reductase with broad substrate specificity. Catalyzes the reduction of a wide variety of carbonyl compounds including quinones, prostaglandins, menadione, plus various xenobiotics. Catalyzes the reduction of the antitumor anthracyclines doxorubicin and daunorubicin to the cardiotoxic compounds doxorubicinol and daunorubicinol. Can convert prostaglandin E2 to prostaglandin F2-alpha. Can bind glutathione, which explains its higher affinity for glutathione-conjugated substrates. Catalyzes the reduction of S-nitrosoglutathione.
<b>Sequence similarities</b>	Belongs to the short-chain dehydrogenases/reductases (SDR) family.
<b>Cellular localization</b>	Cytoplasm.

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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
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