

Product datasheet

Recombinant Human Caspase-2 protein (denatured) ab180342

[1 Image](#)

Description

Product name	Recombinant Human Caspase-2 protein (denatured)	
Purity	> 80 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	<u>P42575</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHH SSGLVPRGSH MAGKEKLPKM RLPTRSDMIC GYACKLGTAA MRNTRKGSWY IEALAQVFSE RACDMHVADM LVKVNALIKD REGYAPGTEF HRCKEMSEYC STLCRHLYLF PGHPPT	
Predicted molecular weight	14 kDa including tags	
Amino acids	348 to 452	
Tags	His tag N-Terminus	
Additional sequence information	Protein corresponds to full length Caspase-2 subunit, p12 (NP_116764.)	
Description	Recombinant Human Caspase-2 protein	

Specifications

Our **Abpromise guarantee** covers the use of **ab180342** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage 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, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function

Involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival.

Tissue specificity

Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle.

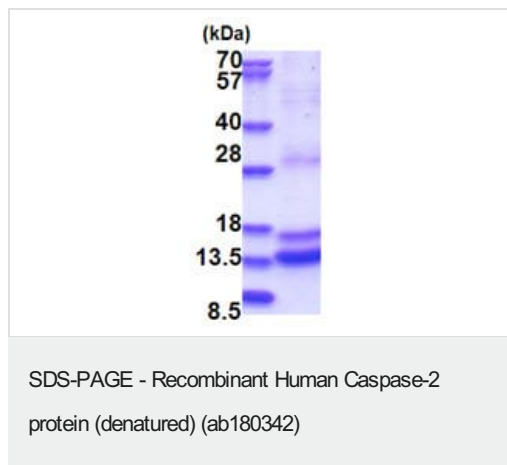
Sequence similarities

Belongs to the peptidase C14A family.
Contains 1 CARD domain.

Post-translational modifications

The mature protease can process its own propeptide, but not that of other caspases.

Images



15% SDS-PAGE analysis of ab180342 (3 µg).

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

- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors