

## Product datasheet

# Recombinant human active Caspase-2 protein ab52098

1 Image

### Description

<b>Product name</b>	Recombinant human active Caspase-2 protein
<b>Biological activity</b>	SPECIFIC ACTIVITY: 10,000 – 13,000 units/mg UNIT DEFINATION: One unit of the recombinant caspase-2 is the enzyme activity that cleaves 1 nmol of the caspase substrate VDVAD-pNA (pNA: pnitroanaline) per hour at 37°C in a reaction solution containing 50 mM Hepes, pH 7.2, 50 mM NaCl, 0.1% Chaps, 10 mM EDTA, 5% Glycerol, and 10 mM DTT
<b>Purity</b>	> 95 % SDS-PAGE.
<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

### Specifications

Our **Abpromise guarantee** covers the use of **ab52098** 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 SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized
<b>Additional notes</b>	This product is manufactured by BioVision, an Abcam company and was previously called 1082 Caspase-2, human recombinant. 1082-25 is the same size as the 25 unit size of ab52098.

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Constituents: PBS, 15% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## Reconstitution

Reconstitute to 1 unit per µl in PBS containing 15% glycerol.

## General Info

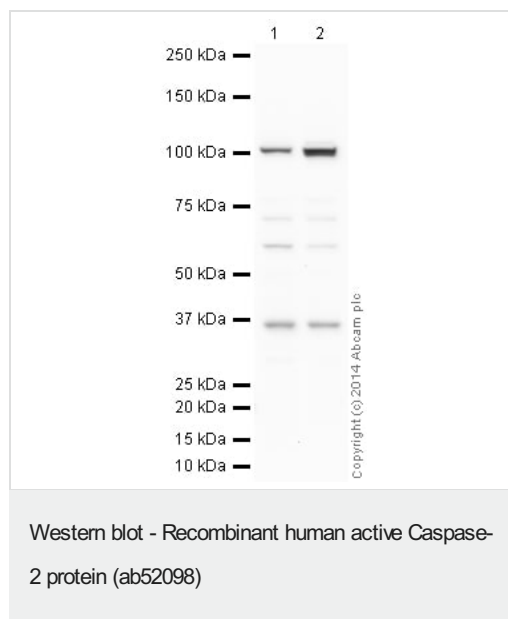
### Relevance

Caspase 2 is 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. During apoptosis, procaspase-2 is processed at aspartate residues. The processed form of caspase-2 consists of large (19 kDa) and small (12 kDa) subunits which associate to form the active enzyme.

### Cellular localization

Cytosol, membrane

## Images



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

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