

Product datasheet

Recombinant Human PACS2 protein ab161579

1 Image

Overview

<b>Product name</b>	Recombinant Human PACS2 protein
<b>Protein length</b>	Full length protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human

<b>Sequence</b>	<p>MAERGRGLPGAPGALNTPVPMNLFATWEVDGSSPS          CVPRLCSLTLKKLV          VFKELEKELISVVIKVMQGSKRILRSHEMLPPSGQVE          TDLALTFSLQY          PHFLKREGNKLQIMLQRRKRYKNRTILGYKTLAAGSISM          AEVMQHPSEGG          QVLSLCSSIKEAPVKAADWIASLSSQPIDHEDSTMQA          GPKAKSTDNYSE          EEYESFSSEQEASDDAVQGGDLDEDDFDVGGPKKKQ          RRSIVRTTSMTRQQN          FKQKVALLRRFKVSGEVLDSQDPAEHIPEAEEDLD          LLYDTLDMEHPSD          SGPDMEDDDSVLSTPKPKLRPYFEGLSHSSSQTEIGSI          HSARSHKEPPSP          ADVPEKTRSLGGRQPSDSVSDTVALGVPGPREHPGQ          PEDSPEAEASTLDV          FTERLPPSGRITKTESLVIPSTRSEGKQAGRRGRSTSL          KERQAARPQNER          ANSLDNERCPDARSQIQHRKTVYDQLNDILISDDQLP          ENIILVNTSDWQ          GQFLSDVLQRHTLPVVCTCSPADVQAAFSTIVSRIQRY          CNCNSQPPTPVK          IAVAGAQHYSAILRLFVEQLSHKTPDWLGYMRFLVIPL          GSHPVARYLGS          VDYRYNNFFQDLAWRDLFNKLEAQS AVQDTPDIVSRIT          QYIAGANCAHQL</p>
-----------------	---

PIEAMLYTKQKSPDEESSQKFIPFVGVVKGMEPSS  
ATSGDSDDAAPS  
GSGTLSSTPPSASPAAKEASPTPPSSPSVSGGLSSP  
SQGVGAELMGLQVD  
YWTAAQPADRKRDAEKKDLPVTKNTLKCTFRSLQVSR  
LPSSGEAAATPTM  
SMTVVTKEKNKKVMFLPKKAKDKDVESKSCIEGISR  
LICTARQQNMLR  
VLIDGVECSVDKFFQLAAQWSSHVKHFPICIFGHSKAT  
F

**Amino acids** 1 to 889  
**Tags** GST tag N-Terminus

## Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab161579** in the following tested applications.

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

**Applications** Western blot  
ELISA  
**Form** Liquid  
**Additional notes** Protein concentration is above or equal to 0.05 mg/ml.

## Preparation and Storage

---

**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

---

**Function** Multifunctional sorting protein that controls the endoplasmic reticulum (ER)-mitochondria communication, including the apposition of mitochondria with the ER and ER homeostasis. In addition, in response to apoptic inducer, translocates BIB to mitochondria, which initiates a sequence of events including the formation of mitochondrial truncated BID, the release of cytochrome c, the activation of caspase-3 thereby causing cell death. May also be involved in ion channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments.

**Tissue specificity** Broadly expressed, with greatest levels in skeletal muscle followed by heart, brain, pancreas and testis.

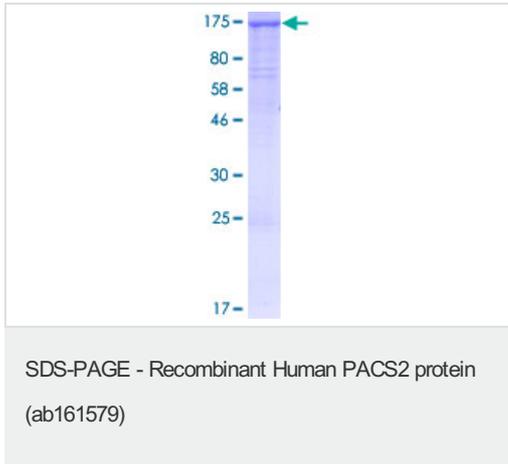
**Sequence similarities** Belongs to the PACS family.

**Cellular localization** Endoplasmic reticulum lumen. Mitochondrion.

---

## Images

---



ab161579 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**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