

Datasheet for ABIN7563771

PACS2 Protein (AA 1-862) (His tag)



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Overview

Quantity:	1 mg
Target:	PACS2
Protein Characteristics:	AA 1-862
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PACS2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pacs2 Protein expressed in mammalian cells.
Sequence:	MAERGRGLGP GAPGALNTPV PMNLFATWEV DGSSPSCVPR LCSLTLKKLA VLRELEKELL SVVIKVMQY PHFLKREGNK LQIMLQRRKR YKNRTILGYK TLAAGSINMA EVMQHPSEGG QVLSLCSSIK EASVKVAEIW IVSLSSQPID HEDSAMQAGP KTKSTDNYSE EEYESFSSEQ EASDDAVQGQ DLDEDDFDVG KPKKQRRSIV RTTSMTRQQN FKQKVVALLR RFKVSEEVLD SEQDPAEHVP EVEEDLDLLY DTLDVENPSD SGPDMDDDDS VLSTPKPKLR PYFEGLSHSS SQTEIGSIHS ARSHREPPSP ADVPEKTRSL GKGQQLSDSV SDTVALSAAV PREPSGQPED SPEAETSTLD VFTEKLPPSG RIIKTESLVI PSTRSESKPA GRRGRSTSLK ERQPARPQNE RANSLDNERC PDTRSQQIP RKTVDYQLNH ILISDDQLPE NIILVNTSDW QGQFLSDVLQ KHTLPVVCTC SAADVQAAFS TIVSRIQRYC NCNSQPPTPV KIAVAGAQHY LSAILRLFVE QLSHKTPDWL GYMRFLIPL GSHPVARYLG SVDYRYNNFF QDLAWRDLFN KLEAQSSVQD TPDIVSRITQ YISGANCAHQ LPIAEAMLT Y KQKSPDEESS QRFIPFVG VV KVGIVEPSSA TSGDSDDAAP SSSSILSSTP PSASTSPA AK EASPTPPSSP SVSGGLSSPS QGVGAELMGL

Product Details

QVDYWTAAPQ ADRKRDAEKK DMPTTKNTLK CTFRSLQVSR LPSSGEAAAT PTMSMTVVTKEKNKKVMFLP KKTKDKEVES KSQCIEGISR LICTAKHQQN MLRVLIDGVE CSDVKFFQLAAQWSSHVKHF PICIFGHSKA TF **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: PACS2

Alternative Name: Pacs2 ([PACS2 Products](#))

Background: Phosphofurin acidic cluster sorting protein 2 (PACS-2) (PACS1-like protein),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 apoptotic 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 involved in ion

Target Details

	channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments (By similarity). {ECO:0000250 UniProtKB:Q86VP3}.
Molecular Weight:	94.9 kDa
UniProt:	Q3V3Q7

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months