

Datasheet for ABIN7554842

PACS2 Protein (AA 1-889) (His tag)



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Overview

Quantity:	1 mg
Target:	PACS2
Protein Characteristics:	AA 1-889
Origin:	Human
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:	<p>MAERGRGLGP GAPGALNTPV PMNLFATWEV DGSSPSCVPR LCSLTLKKLV VFKELEKELI</p> <p>SVVIKVMQSG SKRILRSHEI VLPPSGQVET DLALTFSLQY PHFLKREGNK LQIMLQRRKR</p> <p>YKNRTILGYK TLAAGSISMA EVMQHPSEGG QVLSLCSSIK EAPVKAAEIW IASLSSQPID</p> <p>HEDSTMQAGP KAKSTDNYSE EEYESFSSEQ EASDDAVQGQ DLDEDDFDVG KPKKQRRSIV</p> <p>RTTSMTRQQN FKQKVALLR RFKVSDEVLD SEQDPAEHIP EAEEDLDLLY DTLDMEHPSD</p> <p>SGPDMEDDDDS VLSTPKPKLR PYFEGLSHSS SQTEIGSIHS ARSHKEPPSP ADVPEKTRSL</p> <p>GGRQPSDSVS DTVALGVPGP REHPGQPEDS PEAEASTLDV FTERLPSSGR ITKTESLVIP</p> <p>STRSEKQAG RRGRTSLKE RQAARPQNER ANSLDNERCP DARSQQLIPR KTVYDQLNHI</p> <p>LISDDQLPEN IILVNTSDWQ GQFLSDVLQR HTLPVVCTCS PADVQAAFST IVSRIQRYCN</p> <p>CNSQPPTPVK IAVAGAQHYL SAILRLFVEQ LSHKTPDWLG YMRFLVIPLG SHPVARYLGS</p> <p>VDYRYNNFFQ DLAWRDLFNK LEAQSAVQDT PDIVSRITQY IAGANCAHQL PIAEAMLTYS</p> <p>QKSPDEESSQ KFIPFVGVVK VGIVEPSSAT SGDSDDAAPS GSGTLSSTPP SASPAAKEAS</p>

Product Details

PTPPSSPSVS GGLSSPSQGV GAELMGLQVD YWTAAQPADR KRDAEKDLP VTKNTLKCTF
RSLQVSRGPS SGEEAATPTM SMTVVTKEKN KKVMFLPKKA KDKDVESKSQ CIEGISRLIC
TARQQQNMLR VLIDGVECSG VKFFQLAAQW SSHVKHFPIC IFGHSKATF **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

Target Details

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. {ECO:0000269|PubMed:15692563, ECO:0000269|PubMed:15692567}.

Molecular Weight: 97.7 kDa

UniProt: [Q86VP3](#)

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