

Datasheet for ABIN7557124  
**PAG1 Protein (AA 1-429) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PAG1
Protein Characteristics:	AA 1-429
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Pag1 Protein expressed in mammalien cells.
Sequence:	<p>MGPAGSVLSS GQMQMVMVLW GSLAAVAMFF LITFLVLLCS TCDREKKPRQ HSGDHENLMN VPSDKDMFSH SATSLTTDAL ASSEQNGVLT NGDILSEDST LTCMQHYEEV QTSASDLLDS QDSTGKAKCH QSRELPRIPP ENAVDEILTA RAADTELGPG VEGPYEVLKD SSSQENMVED CLYETVKEIK EVADKGQGGK SKSTSALKEL QGAPMEGKAD FAEYASVDRN KKCRHSANAE SILGTCSLDL EESPPVPVK LLDENANLPQ EGGGQAEQA AEGTGGHSKR FSSLSYKSRE EDPTLTEEEI SAMYSSVNKP GQSAHKPGPC MKGPESACHS MKGLPQRSSS SCNDLYATVK DFEKTPN SIS TLPPARRPSE EPEPDYEA IQ TLNREDEKVP LETNGHHVPK ESDYESIGDL QQCRDVTRL <b>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.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: PAG1

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Alternative Name: Pag1 ([PAG1 Products](#))

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Background: Phosphoprotein associated with glycosphingolipid-enriched microdomains 1 (Csk-binding protein) (Transmembrane phosphoprotein Cbp),FUNCTION: Negatively regulates TCR (T-cell antigen receptor)-mediated signaling in T-cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Promotes CSK activation and recruitment to lipid rafts, which results in LCK inhibition. Inhibits immunological synapse formation by preventing dynamic arrangement of lipid raft proteins. May be involved in cell adhesion signaling. {ECO:0000269|PubMed:12218089, ECO:0000269|PubMed:12612075, ECO:0000269|PubMed:14645715, ECO:0000269|PubMed:16166631}.

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Molecular Weight: 46.5 kDa

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UniProt: [Q3U1F9](#)

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Pathways: [p53 Signaling](#), [TCR Signaling](#), [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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