

Datasheet for ABIN7550750
PAG1 Protein (AA 1-432) (His tag)



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Overview

Quantity:	1 mg
Target:	PAG1
Protein Characteristics:	AA 1-432
Origin:	Human
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 mammalian cells.
Sequence:	MGPAGSLLGS GQMQITLWGS LAAVAIFFVI TFLIFLCSSC DREKKPRQHS GDHENLMNVPSDKEMFSRSV TSLATDAPAS SEQNGALTNG DILSEDSTLT CMQHYEEVQT SASDLLDSQDSTGKPKCHQS RELPRIPPES AVDTMLTARS VGDGQGLGME GPYEVLKDSS SQENMVEDCLYETVKEIKEV AAAAHLEKGGH SGKAKSTSAS KELPGPQTEG KAFAEYASV DRNKKCRQSVNVESILGNCS DPEEEAPPPV PVKLLDENEN LQEKEGGEAE ESATDTTSET NKRFSLSYKSREEDPTLTE EEISAMYSSV NKPGQLVNKS GQSLTVPEST YTSIQGDPQR SPSSCNLDLYATVKDFEKTPTN STLPPAGRPS EEPEPDYEA I QTLNREEEKA TLGTNGHHGL VPKENDYESI SDLQQGRDIT RL 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.
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot

Grade: custom-made

Target Details

Target: PAG1

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

Background: Phosphoprotein associated with glycosphingolipid-enriched microdomains 1 (Csk-binding protein) (Transmembrane adapter protein PAG) (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:10790433}.

Molecular Weight: 47.0 kDa

UniProt: [Q9NWQ8](#)

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

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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
