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Datasheet for ABIN7565094

**PLEKH01 Protein (AA 1-408) (His tag)**

## Overview

Quantity:	1 mg
Target:	PLEKH01
Protein Characteristics:	AA 1-408
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKH01 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Plekho1 Protein expressed in mammalian cells.
Sequence:	MKKSGSGKRG PPDGNHQSAA PEKVGWVRKF CGKGIFREIW KNRYVVLKGD QLYVSEKEVK DEKNSQEVFD LSDYEKCEEL RSKSRSKKN HSKFTLARCR QPGTTAPNLI FLAVSPEEKE SWINALSSAI TRAKNRILDE VTVEEDSYLA HPTRDRAIQ HSRRPPTRGH LMAVASTSTS DGMLTLDLIQ EEDPSPEEPA SCAESFRVDL DKSVAQLAGS RRRADSDRIQ PSSQRASSLS RPWEKPKDGA PYTPQALKKF PSTEKSRCAS LEEILSQRDT APARPLHLQA EESLPPVPAQ PGQLSRIQDL VARKLEKTQE LLAEVQGLGD GKRKAKDPPQ SPPDSESEQL LLETERRLGE ASSNWSQAKR VLQEVRELRD LYRQMDLQTP DSHLRQTSQH SQYRKSLM <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>
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.

## Product Details

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### 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

PLEKH01

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### Alternative Name:

Plekho1 ([PLEKH01 Products](#))

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### Background:

Pleckstrin homology domain-containing family O member 1 (PH domain-containing family O member 1),FUNCTION: Plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). May function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). Appears to target ATM to the plasma membrane. Appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. Also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation (By similarity). {ECO:0000250, ECO:0000269|PubMed:17942896}.

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### Molecular Weight:

46.0 kDa

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### UniProt:

[Q9JIY0](#)

## Application Details

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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.

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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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