

Datasheet for ABIN7558437
KLHDC1 Protein (AA 1-406) (His tag)



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Overview

Quantity:	1 mg
Target:	KLHDC1
Protein Characteristics:	AA 1-406
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHDC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Klhdc1 Protein expressed in mammalian cells.
Sequence:	MADPQAFQVA EERSGHCAVV DGHFLYVWGG YVSIEDNEVY LPNDEMWTYD IDSGWLKMHHL MEGELPPSMS GSCGACIHGR LYVFGGYDDK GYSNRLYFVN LRTRDGTYTW EKITKFDGQP PTPRDKLSCW VYKDRLIYFG GYGYRRHSEL QECFDVHDAS WEEQIFWGW HNDVHVFDTKT RTWSQPEIKG GVPPQPRAAH SCAVLGNKGY VFGGRVLQTR MNDLHYLNLD TWWWSGRISV NGESPKHRSW HTLTAITDDK LFLFGGLNAD NIPLSDGWIH NITTNCWKQL RHLPYTRPRL WHTACLGKEN EIMVFGGSKD NLLFLDTGHC NDLLIFQTQP YSLLRSCLDC IGKNAILKS QISLLPPKLL QQVLKKITFW TAANYRKEQR IRKEETENNQ PRVSSC 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.

Product Details

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:

KLHDC1

Alternative Name:

Klhdc1 ([KLHDC1 Products](#))

Background:

Kelch domain-containing protein 1,FUNCTION: Substrate-recognition component of a Cul5-RING (CRL5) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation. The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms. The CRL5(KLHDC1) complex mediates ubiquitination and degradation of truncated SELENOS selenoprotein produced by failed UGA/Sec decoding, which ends with a glycine. {ECO:0000250|UniProtKB:Q8N7A1}.

Molecular Weight:

46.8 kDa

UniProt:

[Q80YG3](#)

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
