

**Product Name:** KLHDC2 (1-360)

**Alternate Names:** HCA33, HCLP-1

**Product Code:** TE3-086

**FOR RESEARCH USE ONLY (RUO)**

**Verified Applications / Usage**

KLHDC2 is active in a binary complex formation assay using a biotinylated peptide from the human SELK protein.

**Physical Characteristics**

**Species:** Human

**Predicted MW (kDa):** 42 kDa

**Source:** *E. coli* BL21(DE3) A.I.

**Purity:** 90 %

**Tag:** C-His<sub>8</sub>

**Formulation:** 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

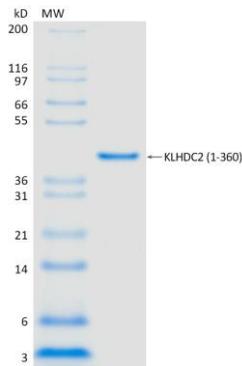
**Shipping:** The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

**Stability/Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 24 months from date of receipt).

## Quality Assurance

### Purity & SDS-PAGE

**Protein ID:** Kelch domain-containing protein 2



2 µg KLHDC2 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

### Activity Assay

Verified in Binary Complex Assay.

## Background

### Description

KLHDC2 is the substrate receptor of the CUL2-RING E3 ligase CRL2-KLHDC2. Recombinant human KLHDC2 (1-360) contains a C-terminal His<sub>8</sub> tag. This protein does NOT contain the binding sites for Elongin B and Elongin C and will NOT interact with CUL2.

**Accession Number:** Q9Y2U9

**Entrez Gene ID:** KLHDC2

## Protein Sequence

```
MADGNEDLRADDLPGPAFESYESMELACPAERSGHVAVSDGRHMFVWGGYKSNQVRGLYDFYL  
PREELWIYNMETGRWKKINTEGDVPPSMGSCAVCVDRVLYLFGGHHSRGNTNKFYMLDSRST  
DRVLQWERIDCQGI PPSSKDKLGVVYKKNKLIFFGGYGYPEDKVLGTFEFDETSFWNSSHPR  
GWNDHVHILDTETFTWSQPITTTGKAPSPRAAHACATVGNRGFVFGGRYRDARMNDLHYNLDT  
WEWNELIPQGICPVGRSWHSLTPVSSDHLFLFGGFTTDKQPLSDAWTYCISKNEWIQFNHPYT  
EKPRLWHTACASDEGEVIVFGGCANNLLVHHRAAHSNEILIFSVQGSHHHHHHHH
```