

Datasheet for ABIN2723535

ILK Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)[Go to Product page](#)**1** Image**1** Publication

Overview

| | |
|-------------------------------|---|
| Quantity: | 20 µg |
| Target: | ILK |
| Protein Characteristics: | Transcript Variant 2 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ILK protein is labelled with Myc-DYKDDDDK Tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

Product Details

| | |
|------------------|--|
| Characteristics: | <ul style="list-style-type: none">• Recombinant human Integrin-linked protein kinase (transcript variant 2) protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |

Target Details

| | |
|-------------------|---|
| Target: | ILK |
| Alternative Name: | Integrin-Linked Protein Kinase (ILK Products) |
| Background: | This gene encodes a protein with a kinase-like domain and four ankyrin-like repeats. The encoded protein associates at the cell membrane with the cytoplasmic domain of beta integrins, where it regulates integrin-mediated signal transduction. Activity of this protein is |

Target Details

important in the epithelial to mesenchymal transition, and over-expression of this gene is implicated in tumor growth and metastasis. Alternative splicing results in multiple transcript variants.

Molecular Weight: 51.2 kDa

NCBI Accession: [NP_001014794](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Regulation of Cell Size](#), [Maintenance of Protein Location](#), [Skeletal Muscle Fiber Development](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

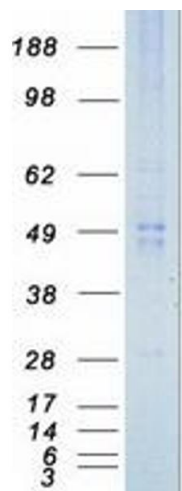
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Radovanac, Morgner, Schulz, Blumbach, Patterson, Geiger, Mann, Krieg, Eckes, Fässler, Wickström: "Stabilization of integrin-linked kinase by the Hsp90-CHIP axis impacts cellular force generation, migration and the fibrotic response." in: **The EMBO journal**, Vol. 32, Issue 10, pp. 1409-24, (2013) ([PubMed](#)).



Western Blotting

Image 1. Validation with Western Blot