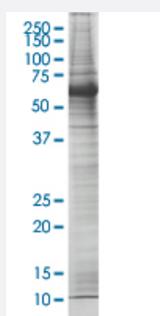


# ILK HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L134T6

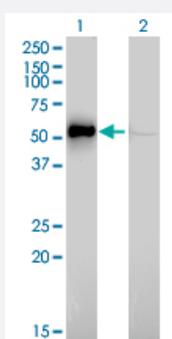
Size 100 ug

## Applications



### SDS-PAGE Gel

ILK transfected lysate



### Western Blot

Lane 1: ILK transfected lysate ( 51.4 KDa).

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** HEK293

**Plasmid** pCMV-ILK full length

**Host** Human

**Theoretical MW (kDa)** 51.4

**Lysis Buffer** Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.

**Concentration** 2 mg/ml

<b>Quality Control Testing</b>	Transient overexpression cell lysate was tested with Anti-ILK antibody ( <a href="#">H00003611-M01</a> ) by Western Blots. SDS-PAGE Gel ILK transfected lysate Western Blot Lane 1: ILK transfected lysate ( 51.4 KDa). Lane 2: Non-transfected lysate.
<b>Recommend Usage</b>	Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.
<b>Storage Buffer</b>	In modified RIPA Lysis Buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

## Gene Info — ILK

<b>Entrez GeneID</b>	<a href="#">3611</a>
<b>GeneBank Accession#</b>	<a href="#">BC001554</a>
<b>Protein Accession#</b>	<a href="#">AAH01554</a>
<b>Gene Name</b>	ILK
<b>Gene Alias</b>	DKFZp686F1765, P59
<b>Gene Description</b>	integrin-linked kinase
<b>Omim ID</b>	<a href="#">602366</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains with cellular proteins. Integrin-linked kinase (ILK), interacts with the cytoplasmic domain of beta-1 integrin. This gene encodes a serine/threonine protein kinase with 4 ankyrin-like repeats, which associates with the cytoplasmic domain of beta integrins and acts as a proximal receptor kinase regulating integrin-mediated signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

**Other Designations**

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**Pathway**

- [Endometrial cancer](#)
- [Focal adhesion](#)
- [PPAR signaling pathway](#)