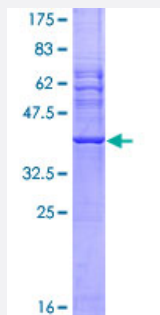


# ILK (Human) Recombinant Protein (Q01)

Catalog # H00003611-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human ILK partial ORF ( AAH01554, 341 a.a. - 452 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	KFSFQCPRMYAPAWVAPEALQKKPEDTNRRSADMWSFAVLLWELVTREVPFADLSNMEIGMKVALEGLRPTIPPGISPHVCKLMKICMNEDPAKRPKFDMIVPILEKMQDK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	38.06
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ILK

Entrez GeneID [3611](#)

GeneBank Accession# [BC001554](#)

Protein Accession# [AAH01554](#)

Gene Name ILK

Gene Alias DKFZp686F1765, P59

Gene Description integrin-linked kinase

Omim ID [602366](#)

Gene Ontology [Hyperlink](#)

**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 -

## Pathway

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