

Recombinant Human ILK, MYC/DDK-tagged

Cat. No. ILK-12H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ILK, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 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 Mass	51.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	ILK integrin-linked kinase [Homo sapiens (human)]
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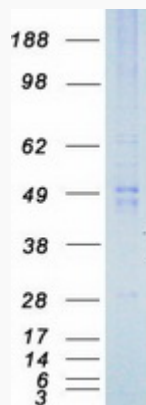
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Official Symbol	ILK
Synonyms	ILK-1; ILK-2; 59 kDa serine/threonine-protein kinase; p59; p59ILK; ILK; integrin-linked kinase; P59; DKFZp686F1765; ILK; integrin-linked kinase; EC 2.7.11.1; ILK2
Gene ID	3611
mRNA Refseq	NM_001014794
Protein Refseq	NP_001014794
MIM	602366
UniProt ID	Q13418
Chromosome Location	11p15.4
Pathway	Bacterial invasion of epithelial cells; Cell junction organization; Cell-extracellular matrix interactions
Function	ATP binding; SH3 domain binding; integrin binding

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