

Recombinant Human ILK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ILK-5726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ILK MS Standard C13 and N15-labeled recombinant protein (NP_001014794) with a C-terminal MYC/DDK tag, 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	51.4 kDa
AA Sequence	MDDIFTQCREGNAVAVRLWLDNTENDLNQGDDHGFSPLHWACREGRSAVVEMLIM RGARINVMNRGDDTPLHLAASHGHRDIVQKLLQYKADINAVNEHGNVPLHYACFWG QDQVAEDLVANGALVSICNKYGEMPVDKAKAPLRELLRERAEKMGQNLNRIPIYKDT FWKGTTRTRPRNGTLNKHSGIDFKQLNFLTCLNENHSGELWKGRWQGNDIVVKVLK VRDWSTRKSRDFNEECPRLRIFSHPNVLPVLGACQSPPAPHPTLITHWMPYGSLYN VLHEGTNFVVDQSQAVKFDLDMARGMAFLHTLEPLIPRHALNSRSVMIDEDMTARIS MADVKFSFQCPRMYAPAWVAPEALQKKPEDTNRRSADMWSFAVLLWELVTREV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PFADLSNMEIGMKVALEGLRPTIPPGISPHVCKLMKICMNEDPAKRPKFDMIVPILEK
MQDKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ILK integrin-linked kinase [Homo sapiens (human)]

Official Symbol ILK

Synonyms ILK; integrin-linked kinase; integrin-linked protein kinase; ILK-1; p59ILK; integrin-linked kinase-2; 59 kDa serine/threonine-protein kinase; P59; ILK-2; DKFZp686F1765;

Gene ID 3611

mRNA Refseq NM_001014794

Protein Refseq NP_001014794

MIM 602366

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UniProt ID

Q13418

SDS-PAGE



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