

Recombinant Full Length Human ILK Protein, GST-tagged

Cat. No. ILK-5795HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ILK full-length ORF (NP_001014794.1, 1 a.a. - 452 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	452 amino acids
Description	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]
Molecular Mass	77.8 kDa
AA Sequence	MDDIFTQCREGNAVAVRLWLDNTENDLNQGDDHGFSPLHWACREGRSAVVEMLIM RGARINVMNRRGDDTPLHLAASHGHRDIVQKLLQYKADINAVNEHGNVPLHYACFWG QDQVAEDLVANGALVSICNKYGEMPVDKAKAPLRELLRERAEKMGQNLNRIPYKDT FWKGTTTRTRPRNGTLNKHSGIDFKQLNFLTCLNENHSGELWKGRWQGNDIVVKVLK VRDWSTRKSRDFNEECPRLRIFSHPNVLPVLGACQSPPAPHPTLITHWMPYGSLYN

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VLHEGTNFVVDQSQAVKFALDMARGMAFLHTLEPLIPRHALNSRSVMIDEDMTARIS
MADVKFQCPGRMYAPAWVAPEALQKKPEDTNRRSADMWSFAVLLWELVTREV
PFADLSNMEIGMKVALEGLRPTIPPGISPHVCKLMKICMNEDPAKRPKFDMIVPILEK
MQDK

Applications

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

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name ILK integrin-linked kinase [Homo sapiens]

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

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MIM	602366
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UniProt ID	Q13418
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