Recombinant Human Integrin-Linked Kinase, His-tagged

Cat. No. ILK-904H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ILK1 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 452 amino acids fragment (1-452) having a molecular mass of 55.92 kDa and fused with a 4.5 kDa amino-terminal hexahistidine tag.
Species	Human
Source	Human
ProteinLength	1-452 a.a.
Description	ILK1 (Integrin-linked kinase) is a serine/threonine protein kinase, containing 4 ankyrin-like repeats. ILK1 regulates a number of biological properties which include: anchorage-independent cell cycle progression, tumor cell invasion and apoptosis. ILK1 can also be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells.
Form	ILK1 protein is supplied in 25 mM Sodium Acetate (pH 4.8) and 50 % glycerol.
Purity	Greater than 95.0 % as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered clear solution
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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GENE INFORMATION

Gene Name	ILK integrin-linked kinase [Homo sapiens]
Official Symbol	ILK
Synonyms	ILK; integrin-linked kinase; P59; ILK-2; DKFZp686F1765; integrin-linked protein kinase; ILK-1; p59ILK; OTTHUMP00000164591; OTTHUMP00000229991; OTTHUMP00000229995; OTTHUMP00000229996; integrin-linked kinase-2; 59 kDa serine/threonine-protein kinase
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; Endometrial cancer; Eukaryotic Transcription Initiation; Focal adhesion; Focal Adhesion; Integrin-mediated cell adhesion; Integrins in angiogenesis; Localization of the PINCH-ILK-PARVIN complex to focal adhesions; Osteopontin-mediated events; PPAR signaling pathway
Function	ATP binding; SH3 domain binding; integrin binding; nucleotide binding; protein

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	binding; protein serine/threonine kinase activity; signal transducer activity

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