

Product datasheet for TP320460

Integrin Linked Kinase (ILK) (NM_001014794) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human integrin-linked kinase (ILK), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220460 protein sequence Red =Cloning site Green =Tags(s)
	MDDIFTQCREGNAVAVRLWLDNTENDLNQGGDHGFSPLHWACREGRSAVVEMLIMRGARINVMNRGDDTP LHLAASHGHRDIVQKLLQYKADINAVNEHGNVPLHYACFWGQDQVAEDLVANGALVSIKNKYGEMPVDKA KAPLRELLRERAEMGQNLNRIPIYKDTFWKGTTRTRPRNGTLNKHSGIDFKQLNFLTCLNENHSGELWKG RWQGNDIVVKLVKVRDWSTRKSRDFNEECPRLRIFSHPNVLPVLGACQSPAPHTLITHWMPYGSLYNV LHEGTNFVVDQSQAVKFALDMARGMAFLHTLEPLIPRHALNSRSVMIDEDMTARISMADVKFSFQCPGRM YAPAWVAPEALQKKPEDTNRRSADMWSFAVLLWELVTREVPFADLSNMEIGMKVALEGLRPTIPPGISPH VCKLMKICMNEDPAKRPKFDMIVPILEKMQDK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	51.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001014794</u>



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Locus ID: 3611

UniProt ID: [Q13418](#), [V9HWF0](#)

RefSeq Size: 1797

Cytogenetics: 11p15.4

RefSeq ORF: 1356

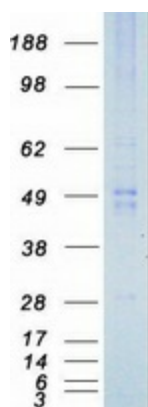
Synonyms: HEL-S-28; ILK-1; ILK-2; P59; p59ILK

Summary: 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. [provided by RefSeq, Jun 2013]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Endometrial cancer, Focal adhesion, PPAR signaling pathway

Product images:



Coomassie blue staining of purified ILK protein (Cat# TP320460). The protein was produced from HEK293T cells transfected with ILK cDNA clone (Cat# [RC220460]) using MegaTran 2.0 (Cat# [TT210002]).