Datasheet for ABIN5712103

ILK Protein (AA 1-228, partial) (His tag)

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Overview

Quantity:	100 µg
Target:	ILK
Protein Characteristics:	AA 1-228, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ILK protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MDDIFTQCRE GNAVAVRLWL DNTENDLNQG DDHGFSPLHW ACREGRSAVV EMLIMRGARI NVMNRGDDTP LHLAASHGHR DIVQKLLQYK ADINAVNEHG NVPLHYACFW GQDQVAEDLV ANGALVSICN KYGEMPVDKA KAPLRELLRE RAEKMGQNLN RIPYKDTFWK GTTRTRPRNG TLNKHSGIDF KQLNFLTKLN ENHSGELWKG RWQGNDIVVK VLKVRDWS
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	ILK
Alternative Name:	ILK (ILK Products)
Background:	Receptor-proximal protein kinase regulating integrin-mediated signal transduction. May act as a

Target Details

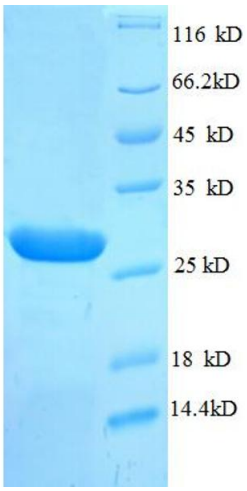
	mediator of inside-out integrin signaling. Focal adhesion protein part of the complex ILK-PINCH. This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway. Could be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.
Molecular Weight:	30.1 kDa
UniProt:	Q13418
Pathways:	Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Maintenance of Protein Location, Skeletal Muscle Fiber Development, Smooth Muscle Cell Migration

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.

