
Integrin-linked kinase Human, Recombinant, *E. coli* (ILK1)

Cat. No.: RCP9197 **Size:** 10µg

Synonym: ILK-1, ILK-2, 59 kDa serine/threonine-protein kinase, p59, p59ILK.

Description: Integrin-linked kinase (ILK1) is a serine/threonine protein kinase, containing 4 ankyrin-like repeats. ILK1 interacts with the cytoplasmic domains of integrin β 1 and β 3 subunits as well as several adaptors and signalling proteins and acts as a proximal receptor kinase regulating integrin-mediated signal transduction. ILK1 has been reported to regulate a number of biological properties including anchorage-independent cell cycle progression, tumour cell invasion and apoptosis. Over-expression of ILK1 has been documented in a wide variety of human malignancies.

RANDOX recombinant ILK1 comprises a 452 amino acid fragment (1-452) corresponding to the mature ILK1 full-length protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Hannigan G.E. *et al Nature*. 1996. **379 (6560)** : 91-6.

Marotta A. *et al, BJC* 2003 **88** :1755-1762