

Recombinant human Integrin-linked protein kinase

Catalog No: #AP71692



Package Size: #AP71692-1 20ug #AP71692-2 100ug #AP71692-3 1mg

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Description

Product Name	Recombinant human Integrin-linked protein kinase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-228aaSequence Info:Partial
Other Names	59KDA serine,threonine-protein kinaseILK-1ILK-2p59ILK
Accession No.	Q13418
Uniprot	Q13418
GeneID	3611;
Calculated MW	30 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MDDIFTQCREGNAVAVRLWLDNTENDLNQGDDHGFSPHAWACREGRSAVVEMLIMRGARINVMNRGDDTPL HLAASHGHRDIVQKLLQYKADINAVNEHGNVPLHYACFWGQDQVAEDLVANGALVSICNKYGEMPVDKAKAP LRELLRERAEMGQNLNRIPYKDTFWKGTTRTRPRNGTLNKHSGIDFKQLNFLTCLNENHSGELWKGRWQG NDIVVKVLKVRDWS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Receptor-proximal protein kinase regulating integrin-mediated signal transduction. May act as a 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.

References

Regulation of cell adhesion and anchorage-dependent growth by a new beta 1-integrin-linked protein kinase.Hannigan G.E., Leung-Hagesteijn C., Fitz-Gibbon L., Coppolino M.G., Radeva G., Filmus J., Bell J.C., Dedhar S.Nature 379:91-96(1996)Research Topic:Signal Transduction

Note: This product is for in vitro research use only