

Recombinant Human Integrin-linked kinase-associated serine,threonine phosphatase 2C(ILKAP)

Catalog No: #AP70446

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Package Size: #AP70446-1 20ug #AP70446-2 100ug #AP70446-3 1mg

Description

Product Name	Recombinant Human Integrin-linked kinase-associated serine,threonine phosphatase 2C(ILKAP)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-392aaSequence Info:Full Length
Accession No.	Q9H0C8
Calculated MW	58.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MDLFGDLPEPERSPRPAAGKEAQKGPLLFDLPPASSTDGSGGGPLLFDLPPASSGDSGSLATSISQMVKT EGKGAKRKTSSEEEKNGSEELVEKKVCKASSVIFGLKGYVAERKGEREEMQDAHVILNDITEECRPPSSLITRVS YFAVFDGHGGIRASKFAAQNHLHQNLIKFPKGDVISVEKTVKRCLLDTFKHTDEEFLKQASSQKPAWKDGSTA TCVLAVDNILYIANLGDSRAILCRYNEESQKHAALSLSKEHNPTQYEERMRIQKAGGNVRDGRVLGVLEVSRSI GDGQYKRCGVTSVPDIRRCQLTPNDRFILLACDGLFKVFTPEEAVNFILSCLEDEKIQTREGKSAADARYEAAC NRLANKAVQRGSADNVTVMVVRIGH
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

Protein phosphatase that may play a role in regulation of cell cycle progression via dephosphorylation of its substrates whose appropriate phosphorylation states might be crucial for cell proliferation. Selectively associates with integrin linked kinase (ILK), to modulate cell adhesion and growth factor signaling. Inhibits the ILK-GSK3B signaling axis and may play an important role in inhibiting oncogenic transformation.

References

Comparative large-scale characterisation of plant vs. mammal proteins reveals similar and idiosyncratic N-alpha acetylation features.Bienvenut W.V., Sumpton D., Martinez A., Lilla S., Espagne C., Meinzel T., Giglione C.Mol. Cell. Proteomics 11:M111.015131-M111.015131(2012)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.