

Human ILKAP, N-His, C-His Tag Protein

HA210744



Product name:	Human ILKAP, N-His, C-His Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human ILKAP protein (Q9H0C8) (Met 1-His 392) was expressed with a His tag at the N-terminus and a His tag at the C-terminus.

Background: Integrin Linked Kinase 1 Associated Phosphatase (ILKAP), also called PP2Cdelta, is a serine/threonine phosphatase that is stimulated by Mn²⁺ ions but inhibited by Mg²⁺ and is insensitive to the phosphatase inhibitor okadaic acid. It binds to ILK1 and dephosphorylates it, decreasing the stimulation of the GSK-3 beta pathway by cell adhesion without affecting Akt signaling. Transfection studies have shown that ILKAP activity inhibits cell cycle progression from the G1 to S phase. ILKAP is expressed in many tissues but is highest in skeletal and cardiac muscle. Its gene is found in a region of chromosome 2 that is frequently deleted in oral cancers.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: ILKAP (1-392)

Source: E.coli

Accession: Q9H0C8

Predicted molecular mass: 44.6 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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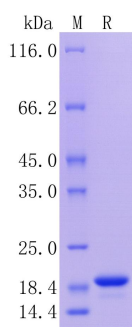


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".
