

# Recombinant Human ILKAP, His-tagged

**Cat. No.** ILKAP-14217H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human ILKAP protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-392a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | The protein encoded by this gene is a protein serine/threonine phosphatase of the PP2C family. This protein can interact with integrin-linked kinase (ILK/ILK1), a regulator of integrin mediated signaling, and regulate the kinase activity of ILK. Through the interaction with ILK, this protein may selectively affect the signaling process of ILK-mediated glycogen synthase kinase 3 beta (GSK3beta), and thus participate in Wnt signaling pathway. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                                                                                                                                                                         |

## GENE INFORMATION

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b> | ILKAP integrin-linked kinase-associated serine/threonine phosphatase [ Homo |
|------------------|-----------------------------------------------------------------------------|

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | <a href="#">sapiens ]</a>                                                                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>     | ILKAP                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | ILKAP; integrin-linked kinase-associated serine/threonine phosphatase; integrin linked kinase associated serine/threonine phosphatase 2C; integrin-linked kinase-associated serine/threonine phosphatase 2C; DKFZP434J2031; FLJ10181; protein phosphatase 2c, delta isozyme; integrin-linked kinase associated phosphatase; ILKAP2; ILKAP3; PP2C-DELTA; MGC4846; DKFZp434J2031; |
| <b>Gene ID</b>             | <a href="#">80895</a>                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | <a href="#">NM_030768</a>                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_110395</a>                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | <a href="#">Q9H0C8</a>                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 2q37.3                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>            | hydrolase activity; metal ion binding; protein binding; protein serine/threonine phosphatase activity;                                                                                                                                                                                                                                                                          |