

## Recombinant Human ALPK1 protein, His-tagged

**Cat. No.** ALPK1-3097H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ALPK1 protein(1-347 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-347 aa                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                                         |
| <b>AA Sequence</b>      | <p>MNNQKVAVLLQECKQVLDQLLLEAPDVSEEDKSEDQRCRALLPSELRTLIQEAKE</p> <p>MKWPFVPEKWQYKQAVGPEDKTNLKDVGAGLQQLLASLRASILARDCAAAAIVFL</p> <p>VDRFLYGLDVSGKLLQVAKGLHKLQPATPIAPQVVIRQARISVNSGKLLKAEYILSSLI</p> <p>SNNGATGTWLYRNEVDKVLVQSVCIQIRGQILQKLGMYEAAELIWASIVGYLALPQ</p> <p>PDKKGLSTSLGILADIFVSMKNDYEKFKNNPQINLSLLKEFDHLLSAAEACKLAAAF</p> <p>SAYTPLFVLTAVNIRGTCLLSYSSSNDPPELKNLHLCEAKEAFEIGLLTKRDDEPVT</p> <p>G</p> |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | <p>Short-term storage: Store at 2-8°C for (1-2 weeks).</p> <p>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer</p>                                                                                                                                                                                                                                                         |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25  $\mu\text{g}/\mu\text{l}$  in 200  $\mu\text{l}$  sterile water for short-term storage.  
Reconstitution with 200  $\mu\text{l}$  50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** ALPK1 alpha-kinase 1 [ Homo sapiens ]

**Official Symbol** ALPK1

**Synonyms** ALPK1; alpha-kinase 1; alpha-protein kinase 1; FLJ22670; KIAA1527; Lak; lymphocyte alpha kinase; chromosome 4 kinase; lymphocyte alpha-kinase; lymphocyte alpha-protein kinase; LAK; 8430410J10Rik;

**Gene ID** 80216

**mRNA Refseq** NM\_001102406

**Protein Refseq** NP\_001095876

**MIM** 607347

**UniProt ID** Q96QP1

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