

## Recombinant Human ICK protein, His & T7-tagged

Cat. No. ICK-7867H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ICK aa. (Met1~Phe284 (Accession # Q9UPZ9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Phe284
<b>Description</b>	<p>Eukaryotic protein kinases are enzymes that belong to a very extensive family of proteins which share a conserved catalytic core common with both serine/threonine and tyrosine protein kinases. This gene encodes an intestinal serine/threonine kinase harboring a dual phosphorylation site found in mitogen-activating protein (MAP) kinases. The protein localizes to the intestinal crypt region and is thought to be important in intestinal epithelial cell proliferation and differentiation. Alternative splicing has been observed at this locus and two variants, encoding the same isoform, have been identified.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 36.9kDa.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%

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<b>Characteristic</b>	The isoelectric point is 9.4.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	ICK intestinal cell kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	ICK
<b>Synonyms</b>	ICK; intestinal cell kinase; ECO; MRK; LCK2; serine/threonine-protein kinase ICK; MAK-related kinase; hICK; intestinal cell (MAK-like) kinase; laryngeal cancer kinase 2; serine/threonine protein kinase
<b>Gene ID</b>	22858
<b>mRNA Refseq</b>	NM_014920.3

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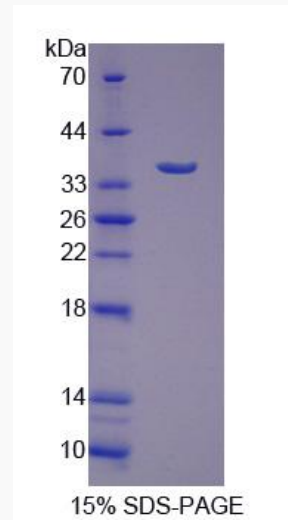
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**Protein Refseq** NP\_055735.1

**UniProt ID** Q9UPZ9

**SDS-PAGE**



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