

Recombinant Human ICK protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ICK aa. (Met1~Phe284 (Accession # Q9UPZ9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Phe284
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.9kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 9.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ICK intestinal cell kinase [Homo sapiens (human)]
Official Symbol	ICK
Synonyms	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
Gene ID	22858
mRNA Refseq	NM_014920.3

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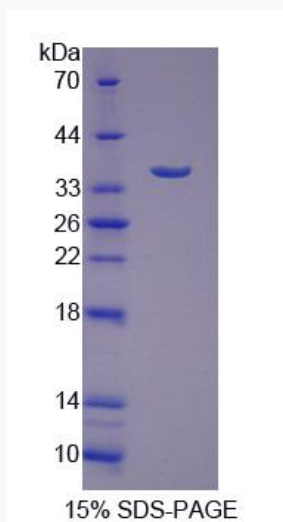
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Protein Refseq NP_055735.1

UniProt ID Q9UPZ9

SDS-PAGE



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