

Recombinant Human ICK

Cat. No. ICK-28676TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ICK with an N-terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system; MWt 98kDa.
Species	Human
Source	Insect Cells
ProteinLength	632 amino acids
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.
Molecular Weight	98.000kDa inclusive of tags
Biological activity	The Specific activity of ICK-28676TH was determined to be 4.8 nmol/min/mg.
Form	Liquid
Purity	by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
GENE INFORMATION	
Gene Name	ICK intestinal cell (MAK-like) kinase [Homo sapiens]
Official Symbol	ICK
Synonyms	ICK; intestinal cell (MAK-like) kinase; serine/threonine-protein kinase ICK; KIAA0936; LCK2; MGC46090; MRK;
Gene ID	22858
mRNA Refseq	NM_016513
Protein Refseq	NP_057597
MIM	612325
Uniprot ID	Q9UPZ9
Chromosome Location	6p12.3-p11.2
Function	ATP binding; cyclin-dependent protein kinase activity; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity;

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