

Bioactive

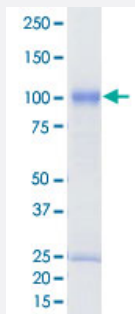
Full-Length

ICK (Human) Recombinant Protein

Catalog # P5563

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human ICK (NP_057597.2, 1 a.a. - 632 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	98
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	74 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Modified Erktide. ATP: 1000 uM
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — ICK

Entrez GeneID	22858
Protein Accession#	NP_057597.2
Gene Name	ICK
Gene Alias	KIAA0936, LCK2, MGC46090, MRK
Gene Description	intestinal cell (MAK-like) kinase
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	MAK-related kinase OTTHUMP00000016630 OTTHUMP00000039961 intestinal cell kinase serine/threonine protein kinase

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)