

ICK recombinant protein

ICK, Active

CATALOG # AAA73610	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

ICK; Active; ECO; MRK; KIAA0936; LCK2; MGC46090; ICK recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for ICK recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for ICK recombinant protein	Full-length recombinant human ICK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_014920. ICK or intestinal cell kinase belongs to a very extensive family of proteins that share a conserved catalytic core common with both serine/threonine and tyrosine protein kinases. ICK encodes an intestinal serine/threonine kinase harboring a dual phosphorylation site found in mitogen-activating protein (MAP) kinases (1). ICK localizes to the intestinal crypt region and is thought to be important in intestinal epithelial cell proliferation and differentiation. ICK purified from transfected human embryonic kidney cells undergoes autophosphorylation and phosphorylates a test protein. ICK plays a key role in development of central nervous, skeletal, and endocrine systems (2).
Product Categories/Family for ICK recombinant protein	Protein Kinases ; Cell Cycle ; ERK/MAPK Pathway ; Ser/Thr Kinases
References	1. Togawa, K. et.al: Intestinal cell kinase (ICK) localizes to the crypt region and requires a dual phosphorylation site found in map kinases. J. Cell. Physiol. 183: 129-139, 2000. 2. Lahiry, P. et.al: A multiplex human syndrome implicates a key role for intestinal cell kinase in development of central nervous, skeletal, and endocrine systems.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_014920
Molecular Weight	~98kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ick-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73610>