

Recombinant Mouse Clnk Protein, Myc/DDK-tagged

Cat. No. Clnk-2195M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytokine-dependent hematopoietic cell linker (Clnk), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	An adapter protein which plays a role in the regulation of immunoreceptor signaling, including PLC-gamma-mediated B-cell antigen receptor (BCR) signaling and FC-epsilon R1-mediated mast cell degranulation. Together with FGR, it acts as a negative regulator of natural killer cell-activating receptors and inhibits interferon-gamma production. Acts as a positive regulator of both T-cell receptor and natural killer T (NKT) cell receptor signaling in CD4-positive NKT cells. Together with MAP4K1, it enhances CD3-triggered activation of T-cells and subsequent IL2 production. May be involved in tumor necrosis factor induced cell death by promoting reactive oxidative species generation, and MLKL oligomerization, ultimately leading to necrosis. Involved in phosphorylation of LAT. May be involved in high affinity immunoglobulin epsilon receptor signaling in mast cells.
Molecular Mass	49.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	CLnk cytokine-dependent hematopoietic cell linker [<i>Mus musculus</i> (house mouse)]
Official Symbol	CLnk
Synonyms	CLNK; cytokine-dependent hematopoietic cell linker; mast cell immunoreceptor signal transducer; MIST; MGC159342
Gene ID	27278
mRNA Refseq	NM_013748
Protein Refseq	NP_038776
UniProt ID	Q9QZE2

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