

Recombinant Mouse IL7r protein, His-tagged

Cat. No. IL7r-1952M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL7r aa. (Val48~Phe217 (Accession# P16872)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Val48~Phe217
Description	Interleukin-7 is a glycoprotein involved in the regulation of lymphopoiesis. Response of cells to IL7 is dependent on the presence of the interleukin 7 receptor (IL7R); the active receptor is a alpha/gamma chain heterodimer. The gamma(c) chain, which also associates with the interleukin-2 receptor, serves primarily to activate signal transduction by the IL7R complex, while the alpha chain of IL7R determines specific signaling events through its association with cytoplasmic signaling molecules.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 90%
Characteristic	The isoelectric point is 9.7.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	IL7r interleukin 7 receptor [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL7r
Synonyms	PDH kinase 2; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 2, mitochondrial; pyruvate dehydrogenase 2; pyruvate dehydrogenase kinase, isozyme 2; pyruvate dehydrogenase kinase, isoenzyme 2
Gene ID	16197
mRNA Refseq	NM_008372.4

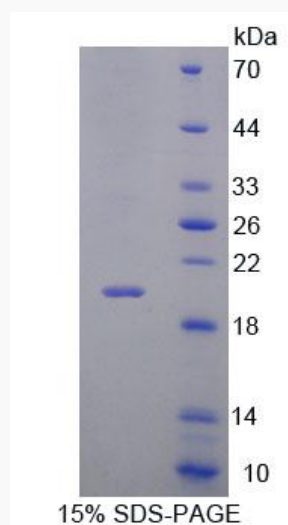
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Protein Refseq NP_032398.3

UniProt ID P16872



SDS-PAGE

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