

Recombinant Human IL7R protein, His & GST-tagged

Cat. No. IL7R-1951H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7R aa. (Lys173~Ala260 (Accession # P16871)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys173~Ala260
Description	The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Characteristic	The isoelectric point is 6.6.
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 PBS, pH7.4, containing 5% sucrose.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	IL7R interleukin 7 receptor [Homo sapiens (human)]
Official Symbol	IL7R
Synonyms	AI035637; 2610001M10Rik; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial; pyruvate dehydrogenase kinase 3; pyruvate dehydrogenase kinase, isozyme 3
Gene ID	3575

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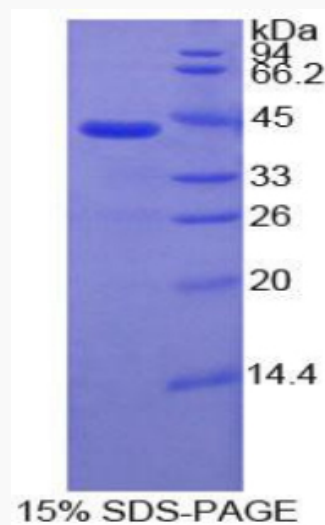
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mRNA Refseq [NM_002185.4](#)

Protein Refseq [NP_002176.2](#)

UniProt ID [P16871](#)



SDS-PAGE

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