

Active Recombinant Human IL7R Protein, Fc & Avi-tagged, Biotinylated

Cat. No. IL7R-130H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IL7R Protein (Glu 21 - Gly 236) (P16871), fused with a human IgG1 Fc tag at the C-terminus, followed by a Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 21 - Gly 236
Predicted N Terminal	Glu 21
Form	Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL-7, Tag Free at 10µg/mL (100 µL/well) can bind Biotinylated Human IL-7 R alpha, Fc Tag with a linear range of 0.02-0.15 µg/mL.
Molecular Mass	Recombinant Human IL7R Protein has a calculated MW of 53.3 kDa. As a result of glycosylation, The protein migrates as 70-100 kDa under reducing (R) condition and 130-200 kDa under non-reducing (NR) condition on SDS-PAGE gel.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	IL7R interleukin 7 receptor [Homo sapiens]
Official Symbol	IL7R
Synonyms	IL7R; interleukin 7 receptor; interleukin-7 receptor subunit alpha; CD127; IL-7RA; CD127 antigen; IL-7R subunit alpha; IL-7 receptor subunit alpha; interleukin 7 receptor alpha chain; interleukin 7 receptor isoform H5-6; ILRA; IL7RA; CDW127; IL-7R-alpha;
Gene ID	3575
mRNA Refseq	NM_002185
Protein Refseq	NP_002176
MIM	146661

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UniProt ID	P16871
Chromosome Location	5p13
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; IL-7 Signaling Pathway, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	antigen binding; interleukin-7 receptor activity; protein binding; receptor activity;

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