

# Active Recombinant Human IL7R protein(Met1-Gly236), hFc-tagged

**Cat. No.** IL7R-0305H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL7R (P16871-1) (Met1-Gly236, with mutations I66T, V138I) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gly236
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Immobilized IL-7 Protein, Human, Recombinant at 2 µg/mL (100 µL/well) can bind Recombinant Human CD127 / IL-7RA Protein (Fc Tag), the EC50 is 120-480 ng/mL.
<b>Molecular Mass</b>	The recombinant human IL7R consists of 454 amino acids and predicts a molecular mass of 51.6 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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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.

**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

**UniProt ID**

P16871

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