

Recombinant Human IL7R protein (Met1-Gly236, I66T, V138I), His-tagged

Cat. No. IL7R-2261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7R protein(P16871-1) (Met1-Gly236, with mutations I66T, V138I) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Gly236, I66T, V138I
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its ability to bind biotinylated mouse TSLP-his in functional ELISA.
Molecular Mass	The recombinant human IL7Rα consists of 227 amino acids and has a predicted molecular mass of 26.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of human IL7Rα is approximately 44 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	≥ 92 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Storage	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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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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