Active Recombinant Human IL7R protein, mFc-tagged

Cat. No. IL7R-0304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7R protein(Glu21-Gly236), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-236 a.a.
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized ActiveMax Human IL-7, Tag Free at 2 μg/mL (100 μL/well) can bind Human IL-7 R alpha, Mouse IgG2a Fc Tag with a linear range of 4-31 ng/mL.Biotinylated Human TSLP (R127A, R130A), His,Avitag immobilized at 2 μg/mL (100 μL/well) via precoated 5 μg/mL (100 μL/well) of Human TSLP R, Fc Tag, can bind can bind Human IL-7 R alpha, Mouse IgG2a Fc Tag with a linear range of 1-20 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminusThe protein has a calculated MW of 52.0 kDa. The protein migrates as 65-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu21-Gly236

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

Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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

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

UniProt ID	P16871

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