

IL-7R alpha/CD127 Protein, Mouse, Recombinant (hFc)

General Information

Synonyms:	Interleukin-7 receptor subunit alpha;IL-7R subunit α ;IL-7R subunit alpha;IL-7R-alpha;IL-7 receptor subunit alpha;IL7r;CD127;IL-7R- α ;Interleukin-7 receptor subunit α ;IL-7RA;IL-7 receptor subunit α
Protein Construction:	Glu21-Asp239
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P16872
Molecular Weight:	61-75 KDa (reducing condition)
AA Sequence:	Glu21-Asp239

QC Testing

Biological Activity:	Loaded Human IL-7-His on HIS1K Biosensor, can bind Mouse IL-7RA-Fc with an affinity constant of 5.91 nM as determined in BLI assay. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing 20 mM Tris-HCl, 10% Sucrose, 3% Glycine, 100 mM NaCl, 0.1 mM EDTA, 0.05% Tween 80, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Interleukin 7 Receptor alpha (IL-7R α), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation, and survival. IL-7R α is majorly expressed on T cells and their precursors, and early in B cell development as well, prior to the appearance of

surface IgM. Dynamic regulation of IL-7R α is important for the generation of appropriate immune responses.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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