

Recombinant Mouse Interleukin 7 Receptor

Cat. No. IL7r-1758M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	IL-7 receptor alpha (IL-7Ra), also known as CD127, is expressed on bone marrow lymphoid precursors, pro-B cells, monocytes/macrophages, natural killer (NK) cells, naïve T cells and memory CD4+ and CD8+ T cells. IL-7Ra is also expressed on non-immune somatic cells such as intestinal colorectal and renal carcinoma cell lines and keratinocytes. IL-7Ra displays a synergistic decrease in the number of T-cell, NK-cell and multipotent progenitors in the thymus, indicating that these distinct survival pathways converge to promote the development of multipotent lymphoid progenitors.
Molecular Weight	The predicted molecular weight of Recombinant Mouse IL-7 Rα is Mr 51.6 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-60 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain..
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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20°Cto -70°C. After aseptic reconstitution, this protein may be stored at 2°Cto 8°Cfor one month or at -20°Cto -70°Cin a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	IL7r interleukin 7 receptor [<i>Mus musculus</i>]
Synonyms	IL7r; interleukin 7 receptor; CD127; MGC107557; IL-7Ralpha; 15 A1; IL-7 receptor alpha chain; interleukin 7 receptor alpha chain
Gene ID	16197
mRNA Refseq	NM_008372
Protein Refseq	NP_032398
UniProt ID	P16872
Chromosome Location	15 4.6 cM
Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Jak-STAT signaling pathway; Primary immunodeficiency
Function	cytokine receptor activity; receptor activity

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