

Human IL-7 R alpha/CD127 Protein

Cat. No. IL7-HM2RD

Description

Source	Recombinant Human IL-7 R alpha/CD127 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ala131-Asp239.
Accession	P16871-1
Molecular Weight	The protein has a predicted MW of 38.84 kDa. Due to glycosylation, the protein migrates to 52-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

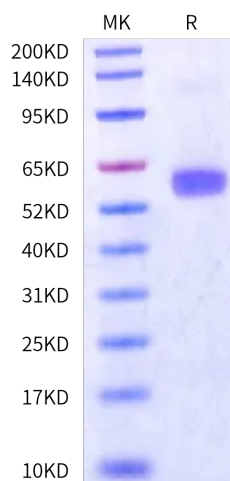
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin 7 (IL-7) and its receptor (IL-7R, a heterodimer of IL-7R α and γ c) are essential for normal lymphoid development. IL-7 and IL-7R activate three main pathways: STAT5, PI3K/Akt/mTOR and MEK/Erk, ultimately leading to the promotion of leukemia cell viability, cell cycle progression and growth.

Assay Data

Bis-Tris PAGE



Human IL-7 R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.