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IL-7 Protein (His tag)





Overview

Quantity:	50 μg
Target:	IL-7 (IL7)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-7 protein is labelled with His tag.

Product Details

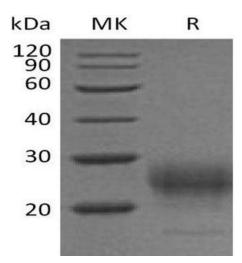
Purpose:	Recombinant Mouse Interleukin-7/IL-7 Protein (His Tag)(Active)
Sequence:	Glu26-Ile154
Characteristics:	Recombinant Mouse Interleukin-7 is produced by our Mammalian expression system and the target gene encoding Glu26-Ile154 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBL). The ED50 for this effect is 25-160 pg/ml.

Target Details

IL-7 (IL7) Target:

Target Details

rarget Details	
Alternative Name:	Interleukin-7/IL-7 (IL7 Products)
Background:	Background: Mouse interleukin-7(IL-7) is the member of hemopoietin family which is important
	to the differentiation, proliferation, and survival of lymphocyte. Mouse IL-7 shares
	approximately 88 $\%$ aa sequence identity with rat IL-7 and 58-60 $\%$ with human, equine, bovine,
	ovine, porcine, feline and canine IL-7. It is widely expressed in primary and secondary lymphoid
	tissues cell and stromal epithelial cells of the thymus, bone marrow, and intestines. IL-7
	activation of IL-7 R alpha is critical for both T cell and B cell lineage development. It is important
	for proliferation during certain stages of B-cell maturation. IL-7 contributes to the maintenance
	of all na?ve and memory T cells, mainly by promoting expression of the anti-apoptotic protein
	Bcl-2. It is required for optimal T cell-dendritic cell interaction.
	Synonym: IL-7, IL-7 interleukin-7, interleukin-7, Lymphopoietin -1, PBGF
Molecular Weight:	15.9 kDa
UniProt:	P10168
Pathways:	JAK-STAT Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.