

ARG70306 Human IL7 recombinant protein (His-tagged, C-ter)

Package: 50 µg

Store at: -20°C

Summary

Product Description	HEK293 expressed, His-tagged (C-ter) Human IL7 recombinant protein.
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	IL7
Species	Human
A.A. Sequence	Asp26 - His177 of Human IL7 (NP_000871.1) with 6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	IL-7; Interleukin-7

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL7 at 2 µg/ml (100 µl/well) can bind Recombinant Human IL7R with a linear range of 50-200 ng/ml.
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Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 90% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

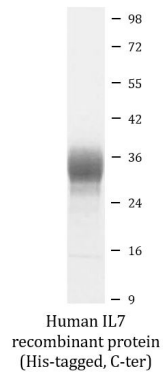
Bioinformation

Gene Symbol	IL7
Gene Full Name	interleukin 7
Background	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their presence in normal tissues has not been

confirmed. [provided by RefSeq, Dec 2010]

Function	Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation. [UniProt]
Calculated Mw	20 kDa
Cellular Localization	Secreted. [UniProt]

Images



ARG70306 Human IL7 recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70306 Human IL7 recombinant protein (His-tagged, C-ter).