

ARG70295

Human CD127 / IL7R recombinant protein (ECD) (Fc-His-tagged, C-ter)

Package: 100 µg

Store at: -20°C

Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Human CD127 / IL7R recombinant protein (ECD).
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	CD127 / IL7R (ECD)
Species	Human
A.A. Sequence	Glu21 - Gly236 of Human CD127 / IL7R (NP_002176.2) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	ILRA; CD127; IL-7R subunit alpha; IL-7R-alpha; IL7RA; CD antigen CD127; Interleukin-7 receptor subunit alpha; CDW127; CDw127; IL-7 receptor subunit alpha; IL-7RA

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 alpha, the EC50 of Recombinant Human IL7R alpha is 48.44 ng/ml.
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Properties

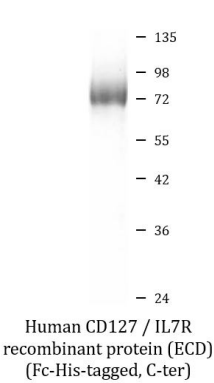
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After 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	IL7R
Gene Full Name	interleukin 7 receptor
Background	The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found. [provided by RefSeq, Dec 2015]

Function	Receptor for interleukin-7. Also acts as a receptor for thymic stromal lymphopoietin (TSLP). [UniProt]
Calculated Mw	52 kDa
PTM	N-glycosylated IL-7Ralpha binds IL7 300-fold more tightly than the unglycosylated form. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 3: Cell membrane; Single-pass type I membrane protein. Isoform 4: Secreted. [UniProt]

Images



ARG70295 Human CD127 / IL7R recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70295 Human CD127 / IL7R recombinant protein (ECD) (Fc-His-tagged, C-ter).