ARG70203
Pig IL2 recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Pig IL2 recombinant protein
Tested Reactivity	Pig
Tested Application	SDS-PAGE
Target Name	IL2
Species	Pig
A.A. Sequence	Ala21 - Thr154
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in CTLL2 cells. The ED50 for this effect is less than 0.5 ng/mL.
Alternate Names	TCGF; IL-2; lymphokine; Interleukin-2; Aldesleukin; T-cell growth factor

Properties

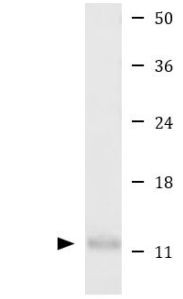
Form	Powder
Purification Note	Endotoxin level is 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. 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	IL2
Gene Full Name	interleukin 2
Background	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Jul 2008]
Function	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells,

	monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



Pig IL2
recombinant protein

ARG70203 Pig IL2 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70203 Pig IL2 recombinant protein (Active) (His-tagged, C-ter).