

## ARG70055

## Human IL12A / IL12 p35 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 Human IL12A / IL12 p35 recombinant protein
Tested Application	SDS-PAGE
Target Name	IL12A / IL12 p35
Species	Human
A.A. Sequence	Arg23 - Ser219
Expression System	E. coli
Activity	Active
Activity Note	Determined in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED50 for this effect is < 49 pg/mL.
Alternate Names	CLMF; Cytotoxic lymphocyte maturation factor 35 kDa subunit; NFSK; NK cell stimulatory factor chain 1; CLMF p35; NKSF1; IL-12 subunit p35; IL-12A; Interleukin-12 subunit alpha; P35

### Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
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

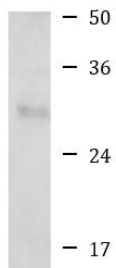
Gene Symbol	IL12A
Gene Full Name	interleukin 12A
Background	This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq,

Jul 2008]

Function	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC. [UniProt]
Cellular Localization	Secreted. [UniProt]

## Images

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Human IL12A / IL12 p35  
recombinant protein

ARG70055 Human IL12A / IL12 p35 recombinant protein (Active)  
(His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70055 Human IL12A / IL12 p35  
recombinant protein (Active) (His-tagged, C-ter).