

Active Recombinant Human IL12 Protein, Animal Free

Cat. No. IL12A-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL12 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	IL-12 is a disulfide-linked heterodimeric protein (p70), composed of two subunits, p35 and p40, which are encoded by two different genes. IL-12 is predominantly produced by macrophages and B lymphocytes. IL-12 functions as a growth factor for activated T and NK cells, enhances the lytic activity of NK/lymphokine activated killer cells, and stimulates the production of IFN- γ by resting PBMC.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of PHA transformed human peripheral blood lymphoblast
Molecular Mass	57 kDa
Endotoxin	<0.5 EU/ μ g
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80

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centigrade under sterile conditions after reconstitution.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name

[IL12A interleukin 12A \[Homo sapiens \(human\) \]](#)

Official Symbol

[IL12A](#)

Synonyms

IL12A; interleukin 12A; P35; CLMF; NFSK; NKSF1; IL-12A; interleukin-12 subunit alpha; CLMF p35; IL-12, subunit p35; IL35 subunit; NF cell stimulatory factor chain 1; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lymphocyte maturation factor 35 kDa subunit; interleukin 12, p35; interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35); interleukin-12 alpha chain; IL12B; interleukin 12B; CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B; interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; IL12, subunit p40; NK cell stimulatory factor chain 2; cytotoxic lymphocyte maturation factor 40 kDa subunit; interleukin 12, p40; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40); interleukin-12 beta chain; natural killer cell stimulatory factor, 40 kD subunit

Gene ID

[3592](#)

mRNA Refseq

[NM_000882](#)

Protein Refseq

[NP_000873](#)

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MIM	161560
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UniProt ID	P29459
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