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/ μg
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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