

## Active Recombinant Human IL12 protein

Cat. No. IL12-47H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human IL12 protein(P29459)(23-328 aa & 23-219 aa) was expressed in Sf 21 insect cell.
<b>Species</b>	Human
<b>Source</b>	Sf 21 insect cell
<b>ProteinLength</b>	23-328 aa & 23-219 aa
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.2.
<b>Bio-activity</b>	Measured in a cell proliferation assay using PHA-stimulated human T lymphoblasts. The ED50 for this effect is 0.01-0.05 ng/mL. The specific activity of rHuIL-12 is approximately $1.1 \times 10^4$ units/µg, which is calibrated against rHuIL-12 WHO Standard (NIBSC code: 95/544).
<b>Molecular Mass</b>	Apparent molecular mass of 60 kDa in SDS-PAGE under non-reducing conditions, 41 kDa and 29 kDa under reducing conditions, a disulfide-linked heterodimer consisting of the 306 amino acid rHuIL-12 p40 and the 197 amino acid rHuIL-12 p35 subunits.
<b>Endotoxin</b>	Less than 1.0 EU/g of rHuIL-12 as determined by LAL method.
<b>Purity</b>	> 97 % by SDS-PAGE.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months

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from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

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