

Active Recombinant Human IL12 protein

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

SPECIFICATION

Product Overview	Active Recombinant Human IL12 protein(P29459)(23-328 aa & 23-219 aa) was expressed in Sf 21 insect cell.
Species	Human
Source	Sf 21 insect cell
ProteinLength	23-328 aa & 23-219 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.2.
Bio-activity	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 1.1×10^4 units/µg, which is calibrated against rHuIL-12 WHO Standard (NIBSC code: 95/544).
Molecular Mass	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.
Endotoxin	Less than 1.0 EU/g of rHuIL-12 as determined by LAL method.
Purity	> 97 % by SDS-PAGE.
Storage	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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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