

Active Recombinant Human IL21 protein

Cat. No. IL21-3712H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL21 protein(Q9HBE4), fused with His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
Form	Lyophilized from a 0.2 µm filtered solution in PBS, 0.02 % Tween-20, pH 7.0
Bio-activity	Measured by its ability to enhance IFN-gamma secretion in NK-92 human natural killer lymphoma cells. The ED50 for this effect is typically 0.1-1.0 ng/mL.
Molecular Mass	Approximately 59.8 kDa on SDS-PAGE under reducing conditions, containing 531 amino acids.
AASequence	<p>HHHHHHHHIWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTL DQSSEVL GSGKTLTIQVKEFGDAGQYTCHKGGEVLSHLLLLHKKEDGIWSTDILKDQKEPKNK TFLRCEAKNYSGRFTCWLLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVRG DNKEYEYSVEQCEDSACPAAEESLPIEVMVDAVHKLKYENYSSFFIRDIIKPDPPKN LQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTS ATVICRKNASISVRAQDRYYSSSWSEWASVPCSGSGSSRGSGSGSGSGGGGSKR NLPVATPDPGMFPC LHHSQNLLRAVSNMLQKARQTLEFY PCTSEEIDHEDITKDKTS TVEACLPLELTKNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIYEDLKMYQVEF KTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETVPQKSSLEEPDFYKTKIKLC ILLHAFRIRAVTIDRVMSYLNAS</p>

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Endotoxin	Less than 0.1 EU/μg of rHuIL-12, His as determined by LAL method.
Purity	> 95% by SDS-PAGE analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months 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.

GENE INFORMATION

Gene Name	IL21 interleukin 21 [Homo sapiens]
Official Symbol	IL21
Synonyms	IL21; interleukin 21; interleukin-21; IL 21; Za11; interleukin-21 isoform; IL-21;
Gene ID	59067
mRNA Refseq	NM_001207006
Protein Refseq	NP_001193935
MIM	605384

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UniProt ID

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