

Active Recombinant Mouse Il21 protein

Cat. No. Il21-169M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il21 protein(Q9ES17)(18-146 aa) was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	18-146 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 2 × PBS, pH 7.0, 5% Trehalose, 0.02% Tween-80.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human N1186 T cells is less than 25 ng/ml, corresponding to a specific activity of $> 4.0 \times 10^4$ IU/mg.
Molecular Mass	Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 129 amino acids.
AASequence	HKSSPQGPDR LLIRLRHLID IVEQLKIYEN DLDPELLSAP QDVKGHCEHA AFACFQKAKL KPSNPGNNKT FIIDLVAQLR RRLPARRGGK KQKHIACPS CDSYEKRTPK EFLERLKWLL QKMIHQHLS
Endotoxin	Less than 0.1 EU/μg of rMuIL-21 as determined by LAL method.
Purity	≥ 95% by SDS-PAGE analysis.

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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 [<i>Mus musculus</i>]
Official Symbol	IL21
Synonyms	IL21; interleukin 21; interleukin-21; IL-21;
Gene ID	60505
mRNA Refseq	NM_021782
Protein Refseq	NP_068554

SDS-PAGE

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