

## Active Recombinant Mouse Il21 protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Il21 protein(Q9ES17)(18-146 aa) was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	18-146 aa
<b>Form</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.0, 5% Trehalose, 0.02% Tween-80.
<b>Bio-activity</b>	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 × 10 <sup>4</sup> IU/mg.
<b>Molecular Mass</b>	Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 129 amino acids.
<b>AASequence</b>	HKSSPQGPDR LLIRLRHLID IVEQLKIYEN DLDPELLSAP QDVKGHCHEHA AFACFQKAKL KPSNPGNKT FIIDLVAQLR RRLPARRGGK KQKHIACPS CDSYEK RTPK EFLERLKWLL QKMIHQHLS
<b>Endotoxin</b>	Less than 0.1 EU/µg of rMull-21 as determined by LAL method.
<b>Purity</b>	≥ 95% by SDS-PAGE analysis.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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 \[ Mus musculus \]](#)**Official Symbol** [IL21](#)**Synonyms** IL21; interleukin 21; interleukin-21; IL-21;**Gene ID** [60505](#)**mRNA Refseq** [NM\\_021782](#)**Protein Refseq** [NP\\_068554](#)**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA