

Recombinant Murine Interleukin-21

#R00229

Size: 10 µg/100 µg/500 µg

Stability & 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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

HKSSPQGPDRLLIRLRHLIDIVEQLKIYENDLDPELLSA
PQDVKGHCHEHAAACFQKAKLKPSNPGNNKTFIIDLV
AQLRRRLPARRGGKKQKHIACPCSDSYEK RTPKEF
LERLKWLLQKMIHQHLS

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.

Product Specification

Accession	Q9ES17
GeneID	60505
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 129 amino acids.
Purity	≥95% by SDS-PAGE analysis.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ 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 ⁴ IU/mg.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.0, 5% Trehalose, 0.02% Tween-80.
Endotoxin	Less than 0.1 EU/µg of rMuIL-21 as determined by LAL method.