

Recombinant Rat Interleukin-10

#R00307

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.

Background

AA Sequence

SKGHSIRGDNNCTHFPVSQTHMLRELRAAFSQVKTF
FQKKDQLDNILLTDSLLQDFKGYLGQCALSEMIKFYLV
EVMPQAENHGPEIKEHLNSLGEKLKTLWIQLRRCHRF
LPCENKSKAVEQVKNDNFNKLQDKGVYKAMNEFDIFIN
CIEAYVTLKMKN

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 10 mM HCl 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	P29456
GeneID	25325
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 18.6 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.
Purity	> 95 % by SDS-PAGE analyse.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using murine MC/9-2 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁶ IU/mg.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered solution in 20 mM Tris-HCl, pH 8.0, 100 mM NaCl.
Endotoxin	Less than 0.1 EU/µg of rRtIL-10 as determined by LAL method.