

Active Recombinant Rat II10 protein

Cat. No. II10-18R Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Rat II10 protein(P29456)(19-178 aa) was expressed in E. coli. |
| Species | Rat |
| Source | E.coli |
| ProteinLength | 19-178 aa |
| Form | Lyophilized from a 0.2 µ filtered solution in 20 mM Tris-HCl, pH 8.0, 100 mM NaCl. |
| Bio-activity | Fully biologically active when compared to standard. The ED50 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. |
| Molecular Mass | Approximately 18.6 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids. |
| AASequence | SKGHSIRGDN NCTHFPVSQT HMLRELRAAF SQVKTFQKK DQLDNILLTD SLLQDFKGYL GCQALSEMIK FYLVEVMPQA ENHGPEIKEH LNSLGEKLT LWIQLRRCHR FLPCENKSKA VEQVKNDFNK LQDKGVYKAM NEFDIFINCI EAYVTLKMKN |
| Endotoxin | Less than 0.1 EU/g of rRtIL-10 as determined by LAL method. |
| Purity | > 95 % by SDS-PAGE analyse. |

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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

IL10 interleukin 10 [*Rattus norvegicus*]

Official Symbol

IL10

Synonyms

IL10; interleukin 10; interleukin-10; CSIF; IL-10; cytokine synthesis inhibitory factor; IL10X;

Gene ID

25325

mRNA Refseq

NM_012854

Protein Refseq

NP_036986

SDS-PAGE

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