

Recombinant Rat Interleukin-5 (IL-5)

CATALOG #: 4142-10 10 µg
4142-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IL-5.

MOL. WEIGHT: 13.1 kDa

FORM: Lyophilized (from 1 mg/ml in sterile solution with no additives)

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml. The solution can be diluted into other aqueous buffers and stored at 4° C for 1 week or -20° C for future use.

STORAGE CONDITIONS:

The lyophilized IL-5 is best-stored desiccated below 0° C. Reconstituted IL-5 should be stored at working aliquots at -20° C.

DESCRIPTION:

IL-5, also known as eosinophil differentiation factor. It regulates eosinophil growth and activation. The recombinant IL-5 is a dimeric, non-glycosylated polypeptide with 113 amino acids.

BIOLOGICAL ACTIVITY:

Rat IL-5 is fully biologically active when compared to standard. The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of BCL-1 cells is 0.3-1 ng/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.

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