

M5 Recombinant Human IL-2 使用说明书

产品名称	单位	货号
M5 Recombinant Human IL-2	10 μ g	MFPR015-01
M5 Recombinant Human IL-2	50 μ g	MFPR015-05

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

Storage: Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 4 months.

Known as: Interleukin-2; IL-2; T-Cell Growth Factor; TCGF; Aldesleukin; IL2

Derived from: E.coli

Purity: ED50 is less than 0.1 ng/ml. Specific Activity of 1.0×10^7 IU/ mg. measured by the dose-dependent stimulation of murine CTLL-2 cells. Greater than 95% as determined by reducing SDS-PAGE.

Formulation: Lyophilized from a 0.2 μ m filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.0.

Reconstitution: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 2X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g).

Amino Acid Sequence:

MPTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLCLEEEELKPLEEVLNLAQSKNFHL
RPRDLI SNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT

Background: Recombinant Human Interleukin-2 is a highly purified protein with a molecular weight of approximately 15,300 Daltons. The chemical name is des-alanyl-1, serine-125 Human Interleukin-2. It is produced by recombinant DNA technology using a genetically engineered E. coli strain containing an analog of the human interleukin-2 gene. Genetic engineering techniques were used to modify the Human IL-2 gene, and the resulting expression clone encodes a modified Human IL-2. This recombinant form differs from native Interleukin-2 in following ways: 1) it is not glycosylated; 2) the molecule has no N-terminal alanine; 3) the molecule has serine substituted for cysteine at amino acid position 125; 4) the aggregation state of molecule is likely to be different from that of native IL-2.

Recombinant Human Interleukin-2 is produced by our E.coli expression system and the target gene encoding Pro22-Thr153 is expressed.

【备注】

本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。