

Recombinant Human IL-2 (aldesleukin)

Catalog No : PMK2180

Known As: Interleukin-2; IL-2; T-cell growth factor; TCGF; Aldesleukin

PROPERTIES

Description	Recombinant Human Interleukin-2 is produced by our E.coli expression system and the target gene encoding Pro22-Thr153(Cys145Ser) is expressed.
Accession	P60568
Formulation	Lyophilized from a 0.2 μm filtered solution of 10mM Acetata-Na, 5% Trehaiose, pH 4.5..
Size	10μg/50μg/500μg/1mg
Purity	> 95%
Endotoxin	< 1 EU/μg as determined by LAL test.
Predicted Mol Mass	15.5 KDa
Apparent Mol Mass	14 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
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-145 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: it is not glycosylated; the molecule has serine substituted for cysteine at amino acid position 145; the aggregation state of molecule is likely to be different from that of native IL-2.

NOTE:The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.