



Recombinant human IL-2

Human interleukin 2

Catalog # KPG-ReHIL2

IL-2 is an important cytokine produced by lymphocytes to proliferation of either T or B lymphocytes. This is an important adaptive immune cytokine in both activation of immune responses and regulation of them via clonal expansion of T reactive cells and T regulatory cells, respectively. The cytokine has a molecular mass each of 15.5 kilo Daltons. Recombinant human IL-2 can be intended for use in cell culture applications. Recombinant human IL-2 is produced in Ecoli BL21 transfected with the full-length sequence for the human IL-2 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human IL-2

Storage and stability:

- Recombinant human IL-2 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant human IL-2 and store at -20°C for 12 months.

Note: Avoid repeated freeze-thaw cycles.

Quality control

- Purity greater than 98% as determined by SDS-PAGE.
- Endotoxin levels <0.1 EU/μg as determined using a kinetic chromogenic LAL assay.
- Biological activity was not tested.
- Did not Sterile. Please sterile after reconstitution using 0.22 μm filter.
- Expression system: E. coli BL21 strain
- Accession: P60568.1
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 15.5 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: ≈ 15.5 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant human IL-2 needs to be sterilized by filtered from 0.22 μm filter.
Solubility: 20 μg/ml in water

RELATED PRODUCTS

Recombinant Human TNF-α
Recombinant Human IL-1β
Recombinant Human IL-4
Recombinant Human IL-6
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Recombinant Human IL-13
Recombinant Human IL-17A
Recombinant Human IL-18
Recombinant Human IL-29
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TECHNICAL SUPPORT

Karmania Pars Gene Iran (Toll-Free):
+98 9132926113
E-mail: karmaniaparsgene@gmail.com