



Recombinant human IL-4

Human interleukin 4

Catalog # KPG-ReHIL4

IL-4 is an important inflammatory cytokine produced by Th2 lymphocytes and mast cells. This is an important adaptive immunity cytokine to induce immune responses against parasites and induction of allergy. The cytokine has a molecular mass each of 15.1 kilo Daltons. Recombinant human IL-4 can be intended for use in *in vivo* and *in vitro* applications. Recombinant human IL-4 is produced in E. coli BL21 transfected with the full-length sequence for the human IL-4 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human IL-4

Storage and stability:

- Recombinant human IL-4 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant human IL-4 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: P05112.1
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 15.1 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: ≈ 15.1 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant human IL-4 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-2
Recombinant Human IL-6
Recombinant Human IL-8
Recombinant Human IL-10
Recombinant Human IL-12
Recombinant Human IL-13
Recombinant Human IL-17A
Recombinant Human IL-29
Recombinant Human IL-18
Recombinant Human IFN-γ
Recombinant Human TGF-β
Recombinant Human VEGF
Recombinant Human CCL21
Recombinant Human CXCL10
Recombinant Human CXCL12
Recombinant Human CCL2
Recombinant Human CCL3

...

For more recombinant cytokines visit

www.karmaniaparsgene.ir

TECHNICAL SUPPORT

Karmania Pars Gene Iran (Toll-Free):

+98 9132926113

E-mail: karmaniaparsgene@gmail.com