



Recombinant human IL-12P40

Human interleukin 12P40

Catalog # KPG-ReHIL12

IL-12 is an important inflammatory cytokine produced by innate immunity cells, such as macrophages and DCs. This is an important innate immunity cytokine to induce adaptive immunity. Hence, it is the most important linker between two arms of immune system. The cytokine has a molecular mass each of 59 kilo Daltons. Recombinant human IL-12P40 can be intended for use in *in vivo* and *in vitro* applications. Recombinant human IL-12P40 is produced in E. coli BL21 transfected with the full-length sequence for the human IL-12P40 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human IL-12 P40

Storage and stability:

- Recombinant human IL-12P40 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant human IL-12P40 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: P29460.1
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 59 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: ≈ 59 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant human IL-12P40 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-4
Recombinant Human IL-6
Recombinant Human IL-8
Recombinant Human IL-10
Recombinant Human IL-13
Recombinant Human IL-17A
Recombinant Human IL-18
Recombinant Human IL-29
Recombinant Human IFN-γ
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