



Recombinant human IL-8

Human interleukin 8

Catalog # KPG-ReHIL8

IL-8 is an important inflammatory cytokine produced by some cells, such as neutrophils. This is an important innate immune cytokine against microbial infections and plays an important role in the development of neutrophil recruitment and activation. This also named as CXCL8, a chemokine molecule. The cytokine has a molecular mass each of 8 kilo Daltons. Recombinant human IL-8 can be intended for use in *in vivo* and *in vitro* applications. Recombinant human IL-8 is produced in E. coli BL21 transfected with the full-length sequence for the human IL-8 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human IL-8

Storage and stability:

- Recombinant human IL-8 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant human IL-8 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: P10145.1
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 8 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: ≈ 8 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant human IL-8 needs to be sterilized by filtered from 0.22 μm filter.
Solubility: 20 μg/ml in water

RELATED PRODUCTS

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Recombinant Human IL-4
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Recombinant Human IL-13
Recombinant Human IL-17A
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Recombinant Human CCL21
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