



Recombinant human CXCL12

Human CXCL12

Catalog # KPG-ReHCXC12

The stromal cell-derived factor 1 (SDF-1), which is also known as C-X-C motif chemokine 12 (CXCL12), is a pro-inflammatory chemokine that in humans is encoded by the CXCL12 gene on chromosome 10. The cytokine has a molecular mass each of 8 kilo Daltons. Recombinant human CXCL12 can be intended for use in *in vivo* and *in vitro* applications. Recombinant human CXCL12 is produced in E. coli BL21 transfected with the full-length sequence for the human CXCL12 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human CXCL12

Storage and stability:

- Recombinant human CXCL12 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant human CXCL12 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: P48061
- 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 CXCL12 needs to be sterilized by filtered from 0.22 μm filter.
Solubility: 20 μg/ml in water

RELATED PRODUCTS

Recombinant Human TNF-α
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Recombinant Human IL-13
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Recombinant Human IL-18
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