

## Recombinant Human Basic Fibroblast Growth **Factor GMP** (rHubFGF GMP)

## PrimeGene Technical Data Sheet

Catalog Number: GMP-104-02 Source: Escherichia coli.

Molecular Weight: Approximately 16.5 kDa, a single non-glycosylated polypeptide chain containing 147 amino acids.

Quantity:  $5\mu g/100\mu g/1mg$ 

MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP **AA Sequence:** 

> HIKLQLQAEE RGVVSIKGVC ANRYLAMKED GRLLASKCVT DECFFFERLE SNNYNTYRSR KYTSWYVALK RTGOYKLGSK TGPGOKAILF LPMSAKS

> 98 % by SDS-PAGE and HPLC analyses. **Purity:** 

**Biological Activity:** Fully biologically active when compared to standard. The ED<sub>50</sub> as determined by a cell proliferation

assay using murine balb/c 3T3 cells is less than 0.05 ng/ml, corresponding to a specific activity of >

 $2.0 \times 10^7 \, \text{IU/mg}$ .

Sterile Filtered White lyophilized (freeze-dried) powder. **Physical Appearance:** 

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 7.6, with 150mM

NaCl.

**Endotoxin:** Less than 0.01 EU/μg of rHubFGF GMP as determined by LAL method.

**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the

> bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of less than 0.3 mg/mL. Stock solutions should be apportioned into working aliquots

and stored at  $\leq$  -20 °C. Further dilutions should be made in appropriate buffered solutions.

**Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature

recommended below.

Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

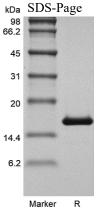
> A minimum of 12 months when stored at  $\leq$  -20 °C as supplied. Refer to lot specific COA for the Use by Date.

1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 to -70 °C under sterile conditions after reconstitution.

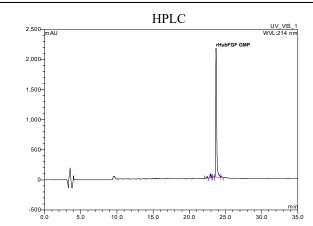
This GMP product can be for research use or further manufacturing use. Usage:

The manufacture and testing of this product is in compliance with ICH O7a guidelines. **Quality statement:** 



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