

## **Recombinant Human Insulin-like Growth Factor-1 GMP** (rHuIGF-1 GMP)

## PrimeGene Technical Data Sheet

Catalog Number: GMP-105-01 Source: Escherichia coli.

Molecular Weight: Approximately 7.6 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.

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

GPETLCGAEL VDALOFVCGD RGFYFNKPTG YGSSSRRAPO TGIVDECCFR SCDLRRLEMY **AA Sequence:** 

**CAPLKPAKSA** 

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

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

assay using serum free human MCF-7 cells is less than 2 ng/ml, corresponding to a specific activity

of >  $5.0 \times 10^5 \text{ IU/mg}$ .

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

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.0. **Endotoxin:** Less than 0.01 EU/µg of rHuIGF-1 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 0.1-1.0 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.

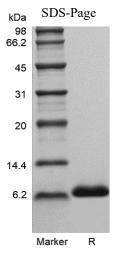
> A minimum of 12 months when stored at  $\leq$  -20 °C as supplied. Refer to lot specific COA for the Use by Date.

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

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

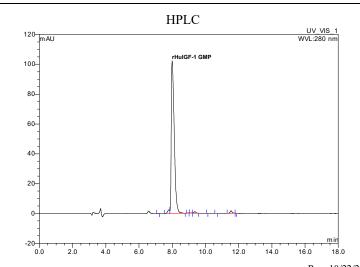
This GMP product can be for research use or further manufacturing use. Usage:

**Quality statement:** The manufacture and testing of this product is in compliance with ICH Q7a guidelines.



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