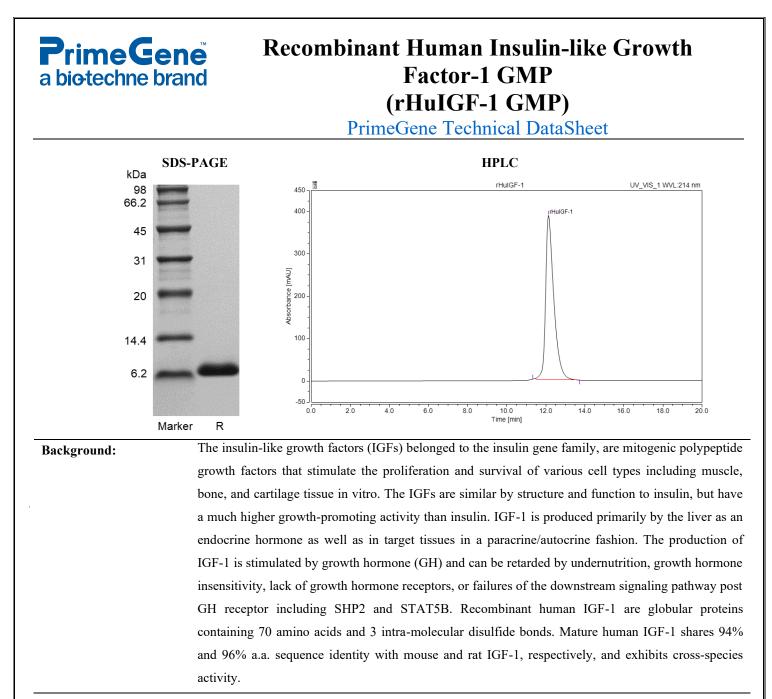
PrimeGene a biotechne brand

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

PrimeGene Technical DataSheet

Source:Excherichia coliMolecular Weight:Approximately 7.6 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.Sre:5 µg/100 µg/1 mgSequence:GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSAPurity:> 98% by SDS-PAGE and HPLC analyses.Biological Activity:Fully biologically active when compared to standard. The EDs ₀ 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 × 10 ⁵ U/mg.Physical Appearance:Sterile filtered white lyophilized (freeze-dried) powder.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.Sterility:Negative.Mycoplasma:Negative.Host Cell Protein:Less than 0.05% when tested by ELISA.Host Cell DNA:Less than 0.05% when tested by qPCR.In Vitro Virus Assay:Negative.Reconstitution:Prior to opening, it is recommended to centrifuge the vial briefly to bring the contents down the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. If animal-origin-free condition is expected in your product, then sterile distilled water is recommended. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions after reconstitution.Shipping:The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.Stability & Storage:Use a manual d	Catalog Number:	GMP-105-01
Size: 5 μg/100 μg/1 mg Sequence: GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA Purity: > 98% by SDS-PAGE and HPLC analyses. Biological Activity: Fully biologically active when compared to standard. The FD ₂₀ 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 × 10 ⁹ U/mg. Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder. 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. Sterility: Negative. Host Cell Protein: Less than 0.05% when tested by ELISA. Host Cell DNA: Less than 0.05% when tested by qPCR. In Vitro Virus Assay: Negative. Reconstitution: Prior to opening, it is recommended to centrifuge the vial briefly to bring the contents down the bottom. Reconstitut in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-10 mg/mL. If animal-origin-free condition is appropriate buffered solutions. Shipping: The product is shipped with polar packs. Upon receint appropriate buffered solutions. Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. A minimum of 12 months from date of	Source:	Escherichia coli
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	Usage:	
Quality Statement: The manufacturing and testing of these products comply with ICH Q7 guidelines.		
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Website: <u>www.primegene.com</u> Fax: +86 21 61077348



Rev. 06/13/2023 V.5

Shanghai PrimeGene Bio-Tech Co., Ltd. Website: <u>www.primegene.com.cn</u> Tel: +86 21 52380373

Website: <u>www.primegene.com</u> Fax: +86 21 61077348 Email: <u>info.pg@bio-techne.com</u> Page: 2 / 2