

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

ChemWhat Technical Data Sheet (TDS)

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: 5µg/100µg/1mg

AA 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 ED₅₀ 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 IU/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.

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 ≤ -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.

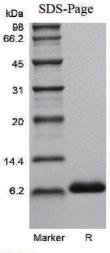
 A minimum of 12 months when stored at ≤ -20 °C as supplied. Refer to lot specific COA for the Use by Date.

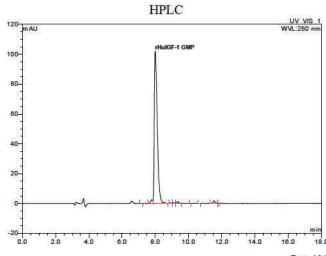
1 month, 2 to 8 °C under sterile conditions after reconstitution.

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

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

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





CHEMWHAT LIMITED

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