

## ChemUhot Recombinant Human Interferon-gamma GMP (rHuIFN-y GMP)

ChemWhat Technical Data Sheet (TDS)

GMP-106-06 Catalog Number: Source: Escherichia coli.

Molecular Weight: Approximately 16.9 kDa, a single non-glycosylated polypeptide chain containing 144 amino acids.

Quantity: 5μg/100μg/1mg

AA Sequence: MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI

VSFYFKLFKN FKDDOSIOKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS

VTDLNVQRKA IHELIQVMAE LSPAAKTGKR KRSQMLFRGR RASQ

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

Fully biologically active when compared to standard. The ED<sub>50</sub> as measured in anti-viral assays using **Biological Activity:** 

human HeLa cells infected with encephalomyocarditis (EMC) virus is 0.15-0.80 ng/ml.

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

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 5.0, with 3 % Trehalose.

Endotoxin: Less than 0.01 EU/μg of rHuIFN-γ 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.

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

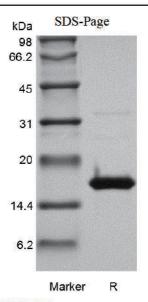
> A minimum of 12 months when stored at  $\leq$  -20 °C as supplied. Refer to lot specific COA for the Use by Date.

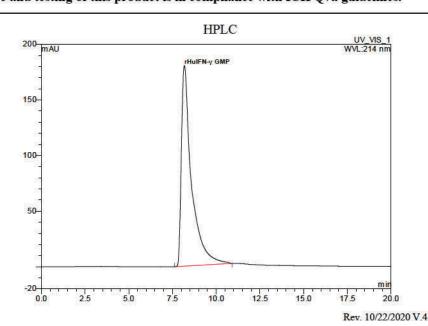
1 month, 2 to 8 °C under sterile conditions after reconstitution.

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.





CHEMWHAT LIMITED

Email: contact@chemwhat.com

https://www.chemwhat.com