

## Certificate of Analysis

**Product Name:** Recombinant Human G-CSF  
**Cat No:** HHM-GC-0010, HHM-GC-0100, HHM-GC-1000  
**Lot No:** SI6038  
**Size:** 10ug/vial, 100ug/vial, 1000ug/vial

**Source:** Expressed in human cell line cultured in serum-free and chemically defined medium

**Structure:** Glycosylated monomer

**Physical Appearance:** White freeze-dried powder

**Purity:** > 95% by SDS-PAGE

**Specific Activity:** 0.02-0.08 ng/ml for ED50 measured by its ability to stimulate the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line).

**Endotoxin Level:** < 0.5EU/ug by LAL assay

**Molecular Weight:** 21-25kDa

**Formulation:** Lyophilized in PBS without carrier protein.

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

**Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

**Storage Condition:** Upon reconstitution, store at 2-8°C for up to one month under aseptic condition. For long term storage, aliquot and store at -80°C is recommended for retention of full activity. Avoid repeated freeze/thaw cycles.

### Authorization

Released by:  Date: 06/24/2018

### Limited Use and Restrictions

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