

G-CSF, Human, Recombinant, E.coli

Cat.NO.: TP02167

3th Edition

Synonyms:Granulocyte-colony stimulating factor, Pluripoietin, CSF3

Description:Human granulocyte colony-stimulating factor(hG-CSF) is one of the hematopoietic growth factors which plays an important role in stimulating proliferation, differentiation, and functional activation of blood cells.In addition to its effect on hematopoiesis, G-CSF also enhances neutrophil functions against bacteria, fungi, and tumor cells mediated by antibody-dependent cell-mediated cytotoxicity.

Form:Liquid. In Phosphate-buffered Saline(PBS), pH7.4

Molecular Weight:18.8kDa (175aa), confirmed by MALDI-TOF

Sequences:

MTPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLCA₁TYKLCHPEELVLLGHSLGIPWAPLSSCPSQALQLAGCLS
QLHSGLFLYQGILLQALEGISPELGPTLDTLQLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAFQRRAGGVL
VASHLQSFLEVS₁YRVLRLHLAQP

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.