

G-CSF/CSF-3/MGI-1G, Human, Recombinant

Cat. No. : GPCK040

产品信息

物种	Human
表达宿主	E.coli
序列信息	TPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLKCATYKLCHPPEELVLLGHSLGIPWAPLSSC PSQALQLAGCLSQLHSGFLYQGLLQALEGISPELGPTLDTLQLDVADFATTIWQQMEELGMA PALQPTQGAMPAFASAFQRRAGGVLVASHLQSFLEVSRYRVLRLHAQP with polyhistidine tag at the N-terminus.
检索号	P09919.1
标签	His-tag at the N-terminus
分子量	19.48 kDa
有效期	12 months
生物活性	Measure by its ability to induce proliferation in NFS-60 cells. The ED50 for this effect is < 50 µg/mL. The specific activity of recombinant human G-CSF is > 2 × 10 ⁷ IU/mg.

产品特性

内毒素 (EU/µg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 7.4.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

G-CSF is a hematopoietic growth factor. It can activate the progress that committed progenitor cells develop to neutrophils and enhance the functional activities of the mature end-cell. It is secreted in response to specific stimulation by a variety of cells, including bone marrow stroma, macrophages, endothelial cells and fibroblasts. In clinical treatment, G-CSF is used to facilitate hematopoietic recovery after bone marrow transplantation.

