ProDots® Recombinant Human G-CSF

Catalog Number: PRD214

DESCRIPTION

Source	*E. coli*-derived Thr31 - Pro204, with an -N-terminal Met Accession # NP_757373
N-terminal Sequence Analysis	Met
Predicted Molecular Mass	18.8 kDa

SPECIFICATIONS

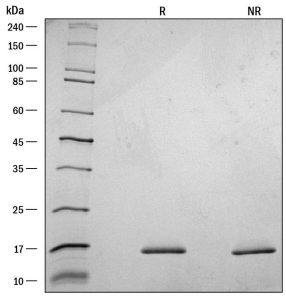
Activity	Measured in a cell proliferation assay using NFS-60 mouse myelogenous leukemia lymphoblast cells. Shirafuji, N.*et al*. (1989) Exp. Hematol. **17**:116. The ED_{50} for this effect is typically 10-60 pg/mL.
Endotoxin Level	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

PREPARATION AND STORAGE

Reconstitution	For a stock solution, reconstitute at 50 µg/mL in sterile PBS, or simply roll ProDot® directly into the cell culture medium for immediate use.
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.** • 6 months from date of receipt at room temperature. • 12 months from date of receipt at 2-8 °C as supplied. • 1 month at 2-8 °C under sterile conditions after reconstitution. • 3 months at -20 to -80 °C under sterile conditions after reconstitution.

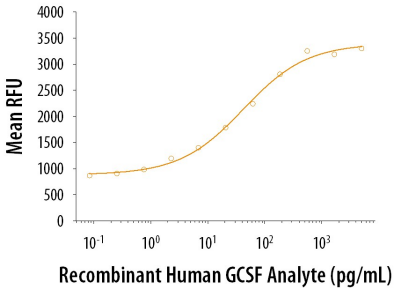
DATA

SDS-PAGE



1 µg/lane of ProDots® Recombinant Human G-CSF was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized with silver staining, showing a single band at approximately 18 kDa.

Bioactivity



ProDots® Recombinant Human G-CSF stimulated cell proliferation of the NFS-60 mouse myelogenous leukemia lymphoblast cell line. The ED_{50} for this effect is typically 10-60 pg/mL.

PRODUCT SPECIFIC NOTICES

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