

DESCRIPTION

Source *E. coli*-derived
Ala18 - Glu144
Accession # CAA26822

N-terminal Sequence Analysis Ala18

Predicted Molecular Mass 14 kDa

SPECIFICATIONS

SDS-PAGE 14 kDa, reducing conditions

Activity Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. Kitamura, T. *et al.* (1989) J. Cell Physiol. **140**:323. The ED₅₀ for this effect is 6-30 pg/mL.

Endotoxin Level <0.10 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 100 µg/mL in PBS containing ≥ 0.1% human or bovine serum albumin, or simply roll ProDot® directly into cell culture medium for immediate use.

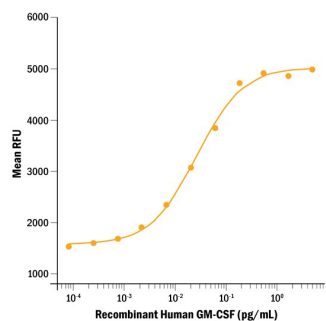
Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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

- 6 months from date of receipt at room temperature as supplied.
- 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 -70 °C under sterile conditions after reconstitution.

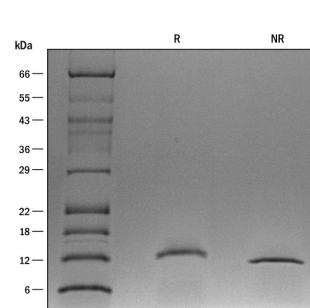
DATA

Bioactivity



ProDots Recombinant Human GM-CSF stimulates cell proliferation of the TF-1 human erythroleukemic cell line. The ED₅₀ for this effect is 6-30 pg/mL.

SDS-PAGE



1 µg/lane of ProDots® Recombinant Human GM-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 14 kDa.

PRODUCT SPECIFIC NOTICES

726218.3