

DESCRIPTION

Source *E. coli*-derived
Ala20 - Phe152, with and without an N-terminal Met
Accession # Q6GS87

N-terminal Sequence Analysis Ala20 and Met

Predicted Molecular Mass 15 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 typically 0.02-0.1 ng/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 sterile PBS, or simply roll ProDot directly into cell culture medium for immediate use.

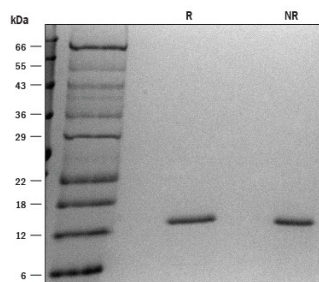
Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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 -80 °C under sterile conditions after reconstitution.

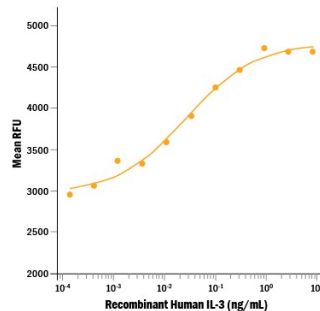
DATA

SDS-PAGE



1 µg/lane of ProDots® Recombinant Human IL-3 was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized with silver staining, showing a single band at 14 kDa.

Bioactivity



ProDots® Recombinant Human IL-3 stimulates cell proliferation of the TF-1 human erythroleukemic cell line. The ED₅₀ for this effect is typically 0.02-0.1 ng/mL.

PRODUCT SPECIFIC NOTICES

726220.1