ProDots® Recombinant Human LIF

Catalog Number: PRD7734

DESCRIPTION

Source	*E. coli*-derived Pro24 - Phe202 Accession # P15018
N-terminal Sequence Analysis	Pro24
Predicted Molecular Mass	19.6 kDa

SPECIFICATIONS

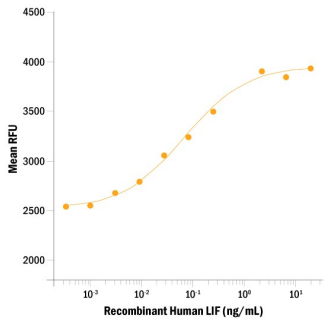
SDS-PAGE	19 kDa, reducing conditions.
Activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. Kitamura, T. *et al.* (1989) J. Cell Physiol. **140**:323.
Endotoxin Level	<0.01 EU per 1 µg of the protein by the LAL method.

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.

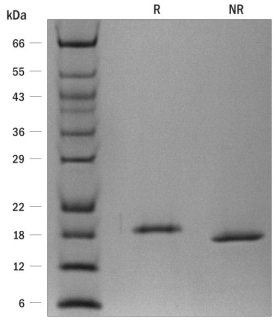
DATA

Bioactivity



ProDots® Recombinant Human LIF demostrates cell proliferation activity in the TF-1 human erythroleukemic cell line. The ED_{50} for this effect is 0.02-0.12 ng/mL.

SDS-PAGE



1 µg/lane of ProDots® Recombinant Human LIF was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized with silver staining, showing a single band at 19 kDa and 17 kDa, respectively.

PRODUCT SPECIFIC NOTICES

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