

**Recombinant Human
LEFTY-1**

Catalog # (Size): HZ-1109 (10µg) HZ-1190 (100µg) HZ-1191 (1000µg)

Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- High Activity
- Authentic Glycosylation

Xeno-free LEFTY-1^{HuXp} is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 38 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 40 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	38 kDa, monomer, glycosylated
Formulation	10 mM Tris-HCl pH 7.4 + 50 mM NaCl + 0.5% CHAPS

Purity Confirmation

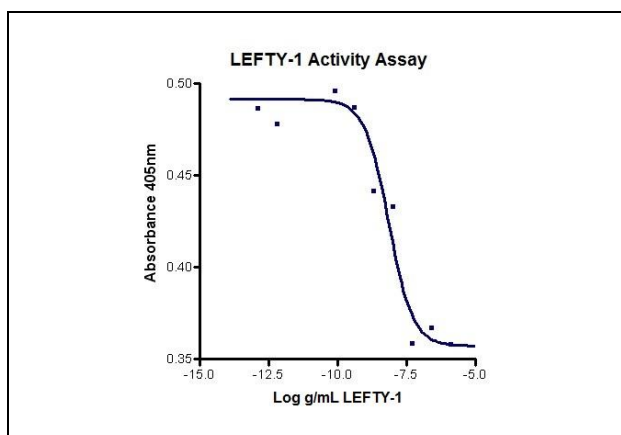
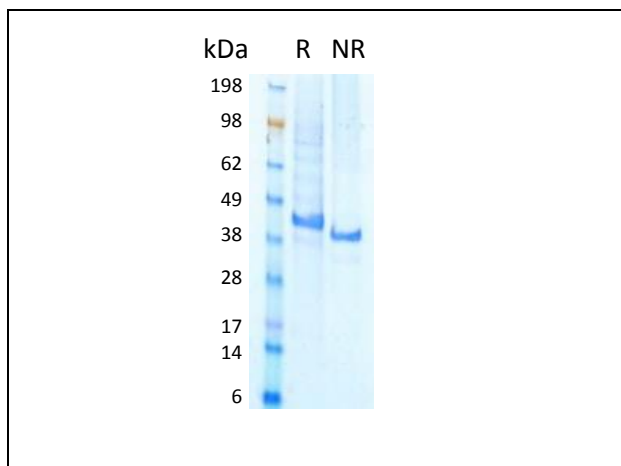
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by dose dependent ability to inhibit BMP-4 (6.5 ng/mL) induction of alkaline phosphatase production in the MC-3T3-E1 cell line (Mouse chondrogenic cell line).



All HumaXpress® HumanKine™ are animal-component-free and Xeno-free™



Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile water containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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