


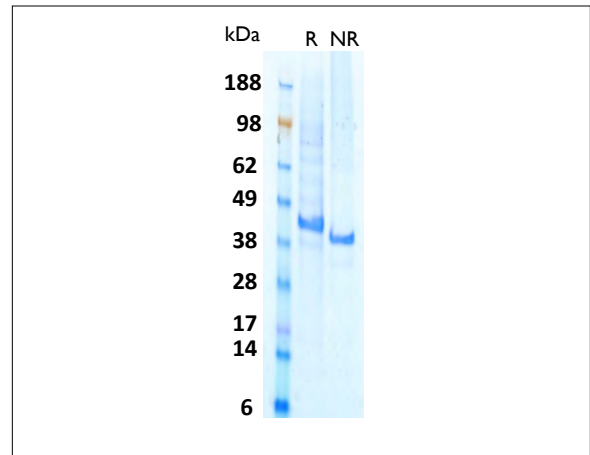
Recombinant Human LEFTY-1

Product Description

- Endotoxin-free*
- Animal-derived product free
- 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.

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



Typical Specifications

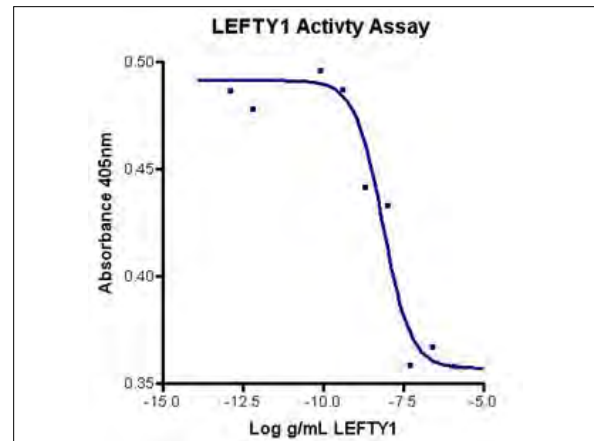
Species Human
Expression HEK293 Cell Expressed
Activity Typically ≤ 40 ng/mL EC₅₀
Purity >95%
Endotoxin <1 EU/ μ g
Molecular Mass 38 kDa, monomer, glycosylated
Formulation 10 mM MES pH 6.0
 + 700 mM NaCl

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).



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).

Limited Use and Restrictions Unless otherwise stated in our catalog or other company documentation accompanying the products sold by HumanZyme Inc. are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, including resale or use in manufacture, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.