

**Recombinant Human
pro IGF-II (pro Insulin-like Growth Factor-2)**

Catalog # (Size): HZ-1161 (10µg) HZ-1162 (100µg) HZ-1163 (1000µg)

Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- Available in Bulk
- High Stability

Xeno-free pro IGF-II^{HuXp} is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 25 kDa. Glycosylation contributes to stability in cell growth media and other applications. IGF-II expressed in E. coli is typically 7.5 kDa and nonglycosylated. This cytokine is produced in a human cell expression system with serum-free, chemically defined media.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 50 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	25 kDa, monomer, glycosylated
Formulation	10 mM Tris-HCl pH 7.4 + 350 mM NaCl

Purity Confirmation

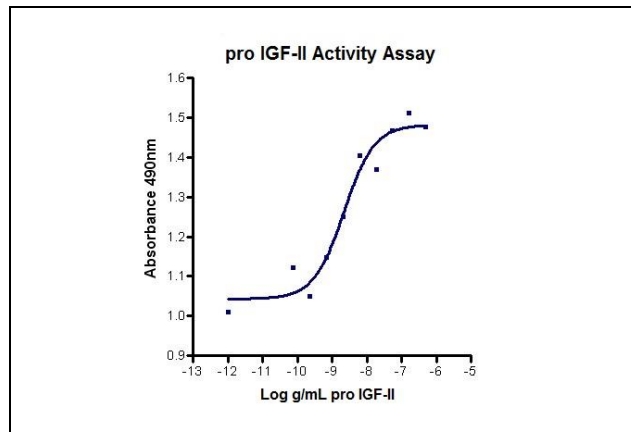
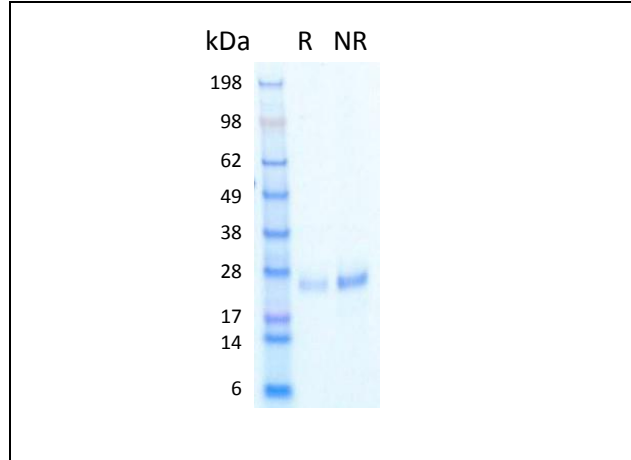
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of MCF-7 cells (human breast cancer 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 1x PBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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