

HumanKine[®] pro IGF-II (Recombinant Human)



| | | | |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

Product Description

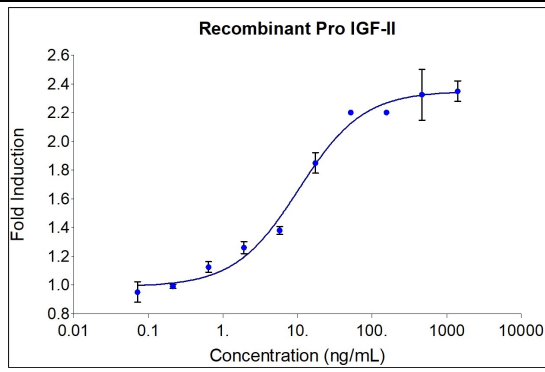
Animal-free Recombinant Human pro-IGF-II is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 25 kDa. Glycosylation contributes to stability in cell growth media and other applications. IGF-II expressed in E. coli is typically 7.5 kDa and nonglycosylated. This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

| | |
|-------------------|--|
| Alternative Names | C11orf43, FLJ22066, FLJ44734, IGF II, IGF2, INSIGF, Insulin like growth factor II, pp9974, Somatomedin A |
| Source | Human Embryonic Kidney cells (HEK293). HEK293-derived pro IGF-II protein |

Specifications

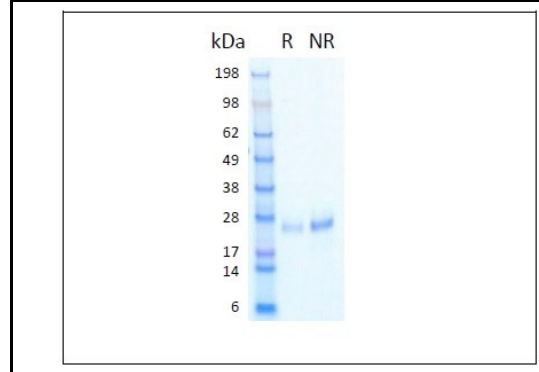
| Test | Method | Specification |
|----------------|----------|--------------------------------|
| Activity | | Typically \leq 50 ng/mL EC50 |
| Molecular Mass | SDS-PAGE | 25 kDa, monomer, glycosylated |
| Purity | SDS-PAGE | >95% |
| Endotoxin | LAL | <1 EU/ μ g |

Activity Data



The activity was determined by the dose-dependent stimulation of the proliferation of MCF-7 cells (human breast cancer cell line) using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

SDS-PAGE



| Preparation | |
|----------------------|--|
| Shipping Temperature | ambient temperature |
| Formulation | 10 mM Tris-HCl pH 7.4 + 350 mM NaCl, See Certificate of Analysis for details |
| Reconstitution | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA). |

| Stability and Storage | Product Form | Temperature Conditions | Storage Time (From Date of Receipt) |
|------------------------------------|---------------------------|------------------------|-------------------------------------|
| | Lyophilized | -20°C to -80°C | Until Expiry Date |
| | Lyophilized | Room Temperature | 2 weeks |
| | Reconstituted as per CofA | -20°C to -80°C | 6 months |
| | Reconstituted as per CofA | 4°C | 1 week |
| Avoid repeated freeze-thaw cycles. | | | |

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