

Active Recombinant Human Insulin-like Growth Factor 2 (Somatomedin A)

Cat. No. IGF2-373H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Xeno-free pro-IGF-II is expressed in <i>human 293 cells</i> as a monomeric glycoprotein with an apparent molecular mass of 25 kDa.
Species	Human
Source	HEK293
Description	Insulin-like growth factor 2 (IGF-2) is one of three protein hormones that share structural similarity to insulin. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Glycosylation contributes to stability in cell growth media and other applications. IGF-II expressed in <i>E. coli</i> is typically 7.5 kDa and nonglycosylated.
Activity	2 to 8 ng/mL ED50.
Purity	>95%.
Endotoxin	Endotoxin-free.
Purity Confirmation	The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
Activity Assay	The specific activity was determined by the dose-dependent stimulation of the proliferation of MCF-7 cells (human breast cancer cell line).

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Pathways Diabetes pathways

GENE INFORMATION

Gene Name IGF2 insulin-like growth factor 2 (somatomedin A) [Homo sapiens]

Synonyms insulin-like growth factor 2 (somatomedin A);INSIGF; pp9974; C11orf43; FLJ22066; FLJ44734; IGF2; insulin-like growth factor 2; IGF-II; somatomedin A; somatomedin-A; insulin-like growth factor II;insulin-like growth factor type 2; putative insulin-like growth factor II associated protein;chromosome 11 open reading frame 43; OTTHUMP00000011157; OTTHUMP00000011018

Gene ID 3481

mRNA Refseq NM_000612

Protein Refseq NP_000603

MIM 147470

UniProt ID P01344

Chromosome Location 11p15.5

Function growth factor activity; hormone activity; insulin receptor binding; insulin-like growth factor receptor binding; protein binding

PDB rendering based on 1igl.

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