

Active Recombinant Human IGF2

Cat. No. IGF2-2H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IGF-II is produced by genetically engineered yeast, and purified by sequential chromatography.
Species	Human
Source	yeast
Description	Human IGF-II is a potent mitogen for cells of mesodermal origin. It is composed of 67 amino acid residues, and is 62% homologous with human IGF-I.
Form	Lyophilized powder
Bio-activity	The material is fully active as determined by the receptor-binding assay using a membrane preparation from placenta.
Molecular Mass	7.5 KDa
Purity	Over 95% pure by N-terminal amino acid sequencing, amino acid composition, HPLC analysis, and SDS gel electrophoresis.
Stability	Several months at +4°C.
Storage	Store at +4°C. Reconstitution is best in water or buffer near neutral pH. After reconstitution, storage in aliquots at -80°C is recommended.

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GENE INFORMATION

Gene Name	IGF2?insulin-like growth factor 2 [?Homo sapiens?(human)]
Official Symbol	IGF2
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
Pathway	Cardiac Progenitor Differentiation; Hedgehog Signaling Pathway; IRS-related events triggered by IGF1R
Function	growth factor activity; hormone activity; insulin receptor binding

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