

Active Recombinant Human IGF2 Protein

Cat. No. IGF2-058H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human IGF-II protein containing 70aa (A25-E91) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	25-91 a.a.
Description	This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Bio-activity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED50 for this effect is 1.5-6 ng/mL.
Molecular Mass	7.5 kDa
Product-Related Proteins	25-91

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Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	IGF2 insulin like growth factor 2 [Homo sapiens (human)]
Official Symbol	IGF2
Synonyms	IGF2; insulin like growth factor 2; GRDF; SRS3; IGF-II; PP9974; C11orf43; insulin-like growth factor II; Names; T3M-11-derived growth factor; insulin-like growth factor 2 (somatomedin A); insulin-like growth factor type 2; preptin
Gene ID	3481
mRNA Refseq	NM_000612
Protein Refseq	NP_000603
MIM	147470
UniProt ID	P01344

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