

Recombinant Human IGF2 protein, His & T7-tagged

Cat. No. IGF2-816H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2 aa. (Ala25~Glu91 (Accession # P01344)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala25~Glu91
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Characteristic	The isoelectric point is 7.7.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	IGF2 insulin like growth factor 2 [Homo sapiens (human)]
Official Symbol	IGF2
Synonyms	IGF2; insulin like growth factor 2; GRDF; IGF-II; PP9974; C11orf43; insulin-like growth factor II; 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_000612.5
Protein Refseq	NP_000603.1

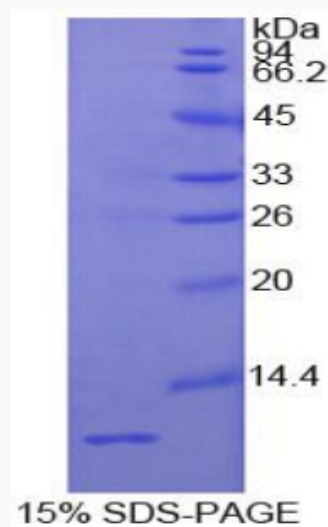
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SDS-PAGE



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