

# Product Datasheet

## Recombinant Human IGF-I/IGF-1 Protein NBP2-35000-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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### Publications: 2

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**NBP2-35000-100ug**

Recombinant Human IGF-I/IGF-1 Protein

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
<b>Purity</b>	> 97 % pure by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.0.
<b>Target Molecular Weight</b>	7.6 kDa

**Product Description**

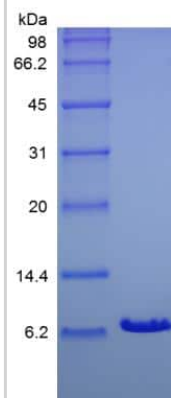
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 70 amino acids corresponding to IGF-I/IGF-1 <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P05019</p> <p><b>Amino Acid Sequence:</b> GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA</p>
<b>Gene ID</b>	3479
<b>Gene Symbol</b>	IGF1
<b>Species</b>	Human
<b>Details of Functionality</b>	IGF1 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 x 10 <sup>5</sup> IU/mg.
<b>Endotoxin Note</b>	Less than 0.01 EU/ug of IGF-I/IGF-1 as determined by LAL method.

**Product Application Details**

<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity

**Images**

SDS-Page: Human IGF-I Protein [NBP2-35000]



## Publications

Ravindran P, PUschel AW An isoform-specific function of Cdc42 in regulating mammalian Exo70 during axon formation Life science alliance 2023-03-01 [PMID: 36543541] (In vitro)

Wei Li, Linguo Li, Kunlan Li et al. Expression of biologically active human insulin-like growth factor 1 in Arabidopsis thaliana seeds via oleosin fusion technology. Biotechnol Appl Biochem 2011-05-01 [PMID: 21679237]





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### **Products Related to NBP2-35000-100ug**

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NBP2-34947-100ug	Recombinant Human IGF-I/IGF-1 DES (1-3) Protein
236-EG-200	EGF [Unconjugated]
291-G1-200	IGF-I/IGF-1 [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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