

# Product Datasheet

## Recombinant Human IGF-I/IGF-1 Receptor Grade Protein NBP2-34946

Unit Size: 0.1 mg

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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**NBP2-34946****Recombinant Human IGF-I/IGF-1 Receptor Grade Protein**

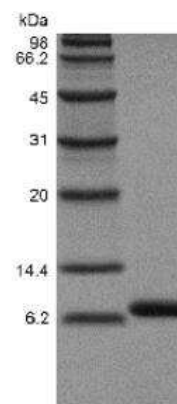
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution Instructions</b>	Recommended 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. Apportion stock solutions into working aliquots and store at <-20C.
<b>Purity</b>	>98%, by SDS-PAGE
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.0.
<b>Target Molecular Weight</b>	9.1 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A single, non-glycosylated polypeptide chain corresponding to 83 residues of IGF-I/IGF-1.</p> <p><b>Source:</b> <i>Escherichia coli</i></p> <p><b>Amino Acid Sequence:</b> MFPAMPLSSL FVNGPRTLCLG AELVDALQFV CGDRGFYFNK PTGYGSSSR APQTGIVDEC CFRSCDLRRL EMYCAPLKPA KSA</p>
<b>Gene ID</b>	3479
<b>Gene Symbol</b>	IGF1
<b>Species</b>	Human
<b>Details of Functionality</b>	<p>Assay 1: Fully biologically active when compared to standard. Measured in a serum-free cell proliferation assay using human MCF-7 cells. The ED50 for this effect is 0.3-1.5 ng/ml, corresponding to a specific activity of <math>&gt; 6.7 \times 10^5</math> IU/mg.</p> <p>Assay 2: Fully biologically active when compared to standard. The ED50 as determined by the stimulation of protein synthesis using rat L6 myoblasts is less than 10 ng/ml, corresponding to a specific activity of <math>&gt; 1.0 \times 10^5</math> IU/mg.</p>
<b>Endotoxin Note</b>	Less than 50 EU/mg of rHuLR3 IGF-1 as determined by LAL method.
<b>Product Application Details</b>	
<b>Applications</b>	Functional, SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	Functional, SDS-Page, Bioactivity



## Images

SDS-Page: Recombinant Human IGF-I/IGF-1 Receptor Grade Protein [NBP2-34946] - SDS-PAGE with Recombinant human IGF-I/IGF-1 Receptor Grade Protein.





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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 2 years from date of receipt.

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