

# Product Datasheet

## Recombinant Human IL-6 Protein NBC1-21346SS

Unit Size: 0.002 mg

Store at -80C. Avoid freeze-thaw cycles.

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**NBC1-21346SS**

## Recombinant Human IL-6 Protein

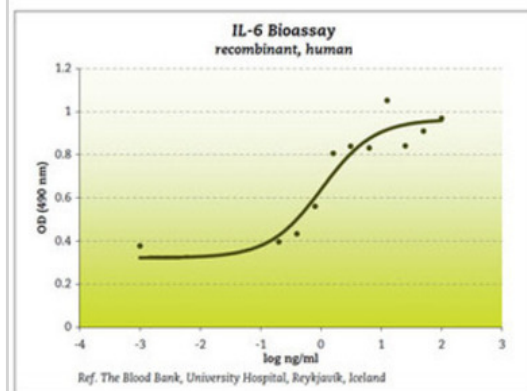
Product Information	
Unit Size	0.002 mg
Concentration	Lyoph
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized water.
Buffer	From PBS, pH 7.2.

Product Description	
Description	A biologically active recombinant protein with a 16 residue His tag and corresponding to 201 total residues of IL6.  <b>Source:</b> <i>E. coli</i> The recombinant protein migrates with an apparent molecular mass of 23-24 kDa in SDS-PAGE.
Gene ID	3569
Gene Symbol	IL6
Species	Human
Reactivity Notes	Human Recombinant protein
Specificity/Sensitivity	NovActiverecombinant human IL-6 is produced in the endosperm tissue of barley grain ( <i>Hordeum vulgare</i> ), that exhibits up to 50 times less protease activity than <i>E.coli</i> or mammalian cells. Barley seed is void of any human or animal viral contaminants that could jeopardize your cell culture.

Product Application Details	
Applications	Western Blot, Blocking/Neutralizing, Functional
Recommended Dilutions	Western Blot, Functional, Blocking/Neutralizing
Application Notes	This protein is > 95% pure by SDS-PAGE analysis and functionally active and can be added to cell culture without the need to remove any Bioactive molecules. Can also be used for Western Blot.  Bioactivity is assayed by measuring the dose dependent effect of human IL-6 on proliferation of TF-1 cells. The ED50 for this batch of NovActive recombinant human IL-6 is 0.20 ng/ml, corresponding to 5.0 x 10 <sup>6</sup> U/mg specific activity. Optimal concentration should be determined for specific applications and cell lines.

## Images

Functional Assay: IL-6 Protein [NBC1-21346] - The ED50 for this batch of NovActive recombinant human IL-6 is 0.20 ng/ml, corresponding to  $5.0 \times 10^6$  U/mg specific activity.



## Publications

Iankov ID, Penheiter AR, Griesmann GE et al. Neutralization capacity of measles virus H protein specific IgG determines the balance between antibody-enhanced infectivity and protection in microglial cells *Virus Res* 2012 Dec 21 [PMID: 23266401]



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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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