

# Product Datasheet

## Recombinant Human IL-6 Protein NBC1-21346-0.010mg

Unit Size: 0.01 mg

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

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**NBC1-21346-0.010mg**

Recombinant Human IL-6 Protein

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.01 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.<br><br><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, Functional, Block/Neutralize, Bioactivity   |
| Recommended Dilutions       | Western Blot, Functional, Bioactivity, Block/Neutralize   |
| 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.<br><br>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. |

**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* 2012-01-01 [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. This product is guaranteed for 1 year from date of receipt.

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