

Product Datasheet

Recombinant Human IL-6 Protein NBC1-21346-0.050mg

Unit Size: 0.05 mg

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

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NBC1-21346-0.050mg

Recombinant Human IL-6 Protein

Product Information	
Unit Size	0.05 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. Source: <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. 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 ⁶ 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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