

Product Datasheet

Recombinant Human IGF-I/IGF-1 Protein NBP2-26545

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-26545

Updated 6/5/2019 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-26545



NBP2-26545**Recombinant Human IGF-I/IGF-1 Protein**

Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Reconstitution Instructions	Reconstitute with sterilized 18 M omega-cm water to a final concentration of at least 0.1 mg/ml.
Purity	SDS-PAGE
Product Description	
Description	A recombinant protein corresponding to IGF1.
Gene ID	3479
Gene Symbol	IGF1
Species	Human
Preparation Method	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 0.502 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences(IntelliGenetics).2. Analysis by RP-HPLC, using a standard solution of IGF-I as a Reference Standard.
Details of Functionality	IGF-I is fully biologically active when compared to standards. The ED50, calculated by the dose-dependant proliferation of murine BALBC 3T3 cells (measured by H-thymidine uptake) is less then 1.0 ng/ml, corresponding to a specific activity of 1x10 U/mg. For most in-vitro applications, IGF-I exerts its biological activity in the concentration range of 0.2-20 ng/ml.
Notes	After reconstituted, dilute further with other aqueous solutions.
Endotoxin Note	Less than 0.1 ng/ug (IEU/ug) of IGF-I.

Publications

Loddo M, Andryszkiewicz J, Rodriguez-Acebes S et al. Pregnancy-associated plasma protein A regulates mitosis and is epigenetically silenced in breast cancer. J. Pathol. 2014-06-13 [PMID: 24931331] (Func, Human)

Details:
Figs 2I, 2J, 4C: BT549 mammary gland tumor cells and HMEpC normal mammary cells treated with 100 uM recombinant IGF1.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-26545

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

