Datasheet: 5345-0654

Description:	RECOMBINANT HUMAN INSULIN-LIKE GROWTH FACTOR I
Name:	IGF-I
Other names:	INSULIN-LIKE GROWTH FACTOR I
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified recombinant protein - liquid

Preparation

Purified recombinant human IGF-1 produced by *E.coli*

Preservative Stabilisers

None present

Approx. Protein Concentrations

1.0 mg/ml

External Database Links

UniProt:

P05019 Related reagents

Entrez Gene:

3479 IGF1 Related reagents

Synonyms

IBP1

Product Information	**Recombinant Human insulin-like growth factoor I** is recombinant human IGF-1 producd in *E.coli.* It exists as a single non-glycosylated polypeptide chain containing 70 amino acids.
Protein Molecular Weight	7.6 kDa
Activity	The biologial activity was determined by the cell proliferation assay using serum free human MCF-7 cells in <2ng/ml, corresponding to a specific activity of >5.0x 10^5 IU/mg
Purity	>97% by SDS PAGE
Amino Acid Sequence	The sequence of the first 5 N-terminal amino acids was found to be GPETL. N-terminal methionine has been completely removed enzymatically.
References	1. Fredolini, C. *et al.* (2020) Shotgun proteomics coupled to nanoparticle-based biomarker enrichment reveals a novel panel of extracellular matrix proteins as candidate serum protein biomarkers for early-stage breast cancer detection. Breast Cancer Res. 22 (1): 135.
Storage	Store at -70°C. For long term storage, the addition of a carrier protein is recommended. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10078 available at: 10078: https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf
Regulatory	For research purposes only

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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