

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 <i>E.coli</i>
Preservative Stabilisers	None present
Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	1.0 mg/ml
External Database Links	<p>UniProt: P05019 Related reagents</p> <p>Entrez Gene: 3479 IGF1 Related reagents</p>

Synonyms	IBP1
Product Information	Recombinant Human insulin-like growth factor I is recombinant human IGF-1 product in <i>E.coli</i> . It exists as a single non-glycosylated polypeptide chain containing 70 amino acids.
Protein Molecular Weight	7.7 kDa
Activity	=>1x10(e)6 U/mg The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BALB/c 3T3 cells is <= 1.0 ng/ml.
Purity	>98% 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. <i>et al.</i> (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
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