

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 the 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/µg of IGF-1.
Approx. Protein Concentrations	1mg/ml
External Database Links	UniProt: P05019 Related reagents Entrez Gene: 3479 IGF1 Related reagents
Synonyms	IBP1
Product Information	Recombinant Human insulin-like growth factor I is recombinant human IGF-1 produced in <i>E.coli</i> . It exists as a single non-glycosylated polypeptide chain containing 70 amino acids.

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	SDS PAGE: >98%
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.
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10078 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf
Regulatory	For research purposes only

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