

Datasheet: OBT1523

Description:	RECOMBINANT RAT LEUKEMIA INHIBITORY FACTOR
Name:	LEUKEMIA INHIBITORY FACTOR
Other names:	LIF
Format:	Rec. Protein
Product Type:	Recombinant Protein
Clone:	N/A
Quantity:	5 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
ELISA	▪			
Functional Assays	▪			1/1000 - 1/10000

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	Rat
Product Form	Recombinant Protein - liquid
Preparation	Recombinant rat LIF is expressed as a GST-fusion protein, cleaved from GST via thrombin and purified by ion exchange chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	1mM DTT 10% Glycerol 0.02% Tween 20
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	Total protein concentration 10.0ug/ml

**External Database
Links**

UniProt:

[P17777](#)

[Related reagents](#)

Entrez Gene:

[60584](#)

Lif

[Related reagents](#)

Product Information	Recombinant Rat Leukemia Inhibitory Factor is an <i>Escherichia coli</i> -derived recombinant protein corresponding to full-length mature rat leukemia inhibitory factor (LIF), a secreted peptide with the capability to induce terminal differentiation in leukemic cells.
Molecular Weight	19.9 kDa (183 amino acid sequence)
Activity	$\geq 1 \times 10^8$ units/mg. 50 units is the amount required to induce differentiation in 50% of M1 colonies in 1ml agar cultures.
Purity	>85% by HPLC and SDS-PAGE analyses.
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10134 available at: 10134: https://www.bio-rad-antibodies.com/uploads/MSDS/10134.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

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M347811:190213'

Printed on 09 Feb 2021