

# Recombinant Limulus Antilipopolysaccharide Factor

**Cat. No.** ALF-240L    **Lot. No.** (See product label)

## SPECIFICATION

<b>Source</b>	P.pastoris
<b>Description</b>	Recombinant LALF, entire coding region for limulus antilipopolysaccharide factor derived from Pichia pastoris. High affinity binding for LPS and bactericidal for gram negative bacteria. Can be used for endotoxin removal and detection. Bactericidal activity against gram negative bacteria. rLALF is a 12,000 dalton protein. Reacts with specific antisera in ELISA and Western blots. The rLALF is purified by proprietary chromatographic techniques.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation</b>	Lyophilized from a concentrated (1mg/ml) solution containing no additives.
<b>Purity</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained.
<b>Biological Activity</b>	Antibacterial activity against E. coli less than 10ug/ml at 10e6 PFU/ml. Binds to and inactivates endotoxin (LPS).
<b>Endotoxin</b>	Less than 0.1 ng/g (IEU/g) of rLALF.
<b>Protein content</b>	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm. 2. Analysis by RP-HPLC.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized rLALF in sterile 20mM acetic acid

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

not less than 100g/ml, which can then be further diluted to other aqueous solutions.

**Stability**

Lyophilized rLALF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rLALF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA