abcam

Product datasheet

Recombinant rat IL-1 alpha protein ab73572

Description

Product name	Recombinant rat IL-1 alpha protein
Purity	> 95 % SDS-PAGE. ab73572 is purified by proprietary chromatographic techniques. Purity is greater than 98.0% as determined by RP-HPLC and SDS-PAGE.
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Rat
Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-His-Ser-Phe.
Amino acids	116 to 270

Specifications

Our Abpromise guarantee covers the use of **ab73572** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituent: 0.79% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in sterile 18MO-cm H_2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

General Info

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Function	Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.
Sequence similarities	Belongs to the IL-1 family.
Domain	The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.
Cellular localization	Secreted. The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.

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- Valid for 12 months from date of delivery
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- We investigate all quality concerns to ensure our products perform to the highest standards

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