

Recombinant mouse IL-1 alpha protein ab9725

1 References

Description

Product name	Recombinant mouse IL-1 alpha protein
Purity	> 98 % SDS-PAGE. Sterile filtered Greater than 98% pure by HPLC analyses. Endotoxin level is less than 0.1 ng per g (1EU/g).
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	Recombinant Murine IL-1a is a 17.9 kDa protein containing 156 amino acid residues: SAPYTYQSDL RYKLMKLVQRQ KFVMNDSLNQ TIYQ DVDKHYLSTTWLNDLQ QEVKFDMYAYSSGGDDSKYP VTLKISDSQL FVSAQGEDQP VLLKELPETP KLITGSETDL IFFWKSINSKNYFTSAA YPE LFIATKEQSR VHLARGLPSM TDFQIS

Specifications

Our **Abpromise guarantee** covers the use of **ab9725** 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	Lyophilized
Additional notes	The ED ₅₀ , determined by the dose-dependent stimulation of murine D10S cells, is < 0.002 ng/ml, corresponding to a specific activity of > 5 x 10 ⁸ units/mg.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

For lot specific reconstitution information please contact our Scientific Support Team.

General Info

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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