

Product datasheet

Recombinant rat IL-1 alpha protein ab200276

Description

Product name	Recombinant rat IL-1 alpha protein
Biological activity	The ED ₅₀ as determined by a cell proliferation assay using murine D10S cells is less than 0.005 ng/mL, corresponding to a specific activity of > 2.0 × 10 ⁸ IU/mg.
Purity	> 97 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P16598
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Rat
Sequence	SAPHSFQNNLRYKLIRIVKQEFIMNDSLQNIYVDMDRIH LKAASLNDLQ LEVKFDMYAYSSGGDDSKYPVTLKVSNTQLFVSAQGE DKPVLLKEIPETP KLITGSETDLIFFWEKINSKNYFTSAAFPELLIATKEQSQ VHLARGLPSM IDFAQS
Predicted molecular weight	18 kDa
Amino acids	115 to 270

Specifications

Our [Abpromise guarantee](#) covers the use of **ab200276** 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 HPLC SDS-PAGE
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at 4°C prior to reconstitution. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 8.5 Constituents: 0.24% Tris buffer, 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

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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