proIL-1alpha Human

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	1272
Synonyms	IL-1A precursor, proIL1A, Interleukin-1 alpha precursor
Type	Recombinant
Source	E. coli
Species	Human
Tag	GST
Form	Liquid
Purity	> 98 % by SDS PAGE
Shipping	ice packs

Introduction

Pro-inflammatory and pyrogenic cytokine IL-1 alpha is a member of the interleukin 1 cytokine family. IL-1 alpha is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. It is produced by monocytes and macrophages as a precursor, which is proteolytically processed and released in response to cell injury and induces apoptosis. IL-1 alpha stimulates T-cell proliferation by inducing IL-2 release, B-cell maturation and proliferation, and many other pro-inflammatory stimuli.

Description

The IL-1alpha is produced as a 31 kDa precursor, which is proteolytically cleaved to mature IL-1alpha (18 kDa) and N-terminal propiece (IL1NTP, 13 kDa). The IL-1alpha precursor is associated with chromatin in the cell nucleus with unknown function.

Application

Affinity Purification, Western Blotting, ELISA, Protein Array, Protein-Protein Interactions, Pull-down Assay,

Purification method

Affinity chromatography.

Formulation

PBS solution 0.5 mg/ml

Storage

-80C, aliquot to avoid repeated freezing and thawing.

Analyte specific reagent (ASR) manufactured under ISO 13485.
Country of origin: Czech Republic

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CERTIFIED

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