Recombinant human IL-1 alpha/IL1A protein

Catalog Number: ILA0801

PRODUCT INFORMATION

Expression system
E.coli

Domain
113-271aa

UniProt No.
P01583

NCBI Accession No.
NP_000566

Alternative Names
Interleukin 1 alpha, preinterleukin 1 alpha, Hematopoietin-1, Pro-interleukin-1-alpha, IL1F1, IL-1A, IL1-ALPHA, IL1

PRODUCT SPECIFICATION

Molecular Weight
22.4 kDa (197aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
IL-1 consists of two distinct forms, IL-1 alpha and IL-1 beta which perform the same functions but are distinct proteins. IL-1alpha is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is also temporarily upregulated during bone formation and the menstrual cycle and can be induced in response to nervous system stimulation. Recombinant IL-1a protein was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

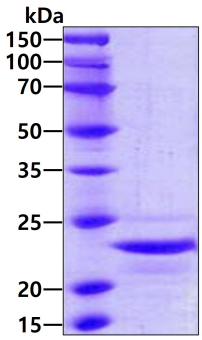
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General References

Misener VL., et al. (2008). Neuropsychobiology. 58(2):71-80
Sarkar O., et al. (2008). Biol Reprod. 78(3):445-54

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.