

Recombinant mouse IL-1 alpha/IL1A protein

Catalog Number: ATGP2863

PRODUCT INFORMATION

Expression system

E.coli

Domain

115-270aa

UniProt No.

P01582

NCBI Accession No.

NP_034684

Alternative Names

Interleukin-1 alpha precursor, Interleukin 1 alpha, IL-1F1, IL-1A, IL-1 alpha

PRODUCT SPECIFICATION

Molecular Weight

20.4 kDa (179aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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-1a is produced by activated macrophages, stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. This protein is involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. Recombinant mouse IL1a protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

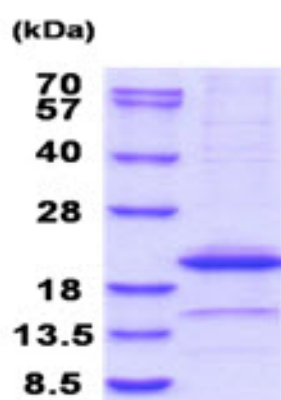
MGSSHHHHHH SSGLVPRGSH MGSSAPYTYQ SDLRYKLMKL VRQKFVMNDS LNQTIYQDVD KHYLSTTWLN
DLQQEVKFDL YAYSSGGGDS KYPVTLKISD SQLFVSAQGE DQPVLLKELP ETPKLITGSE TDLIFFWKSI NSKNYFTSAA
YPELFATKE QSRVHLARGL PSMTDFQIS

General References

Beuscher H.u., et al (1988). J. Biol. Chem. 263:4023-4028

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)