

AR51683PU-N**Mouse Interleukin-1 alpha / IL-1A (115-270, His-tag) - Purified****Alternate names:**

Hematopoietin-1, IL-1 alpha, IL1A, IL1F1

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P01582](#)**NCBI:**[NP_034684](#)**GeneID:**[16175](#)**Species:**

Mouse

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** Phosphate buffer saline (pH 7.4) containing 10% glycerol.**Description:**

Recombinant mouse IL1a protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

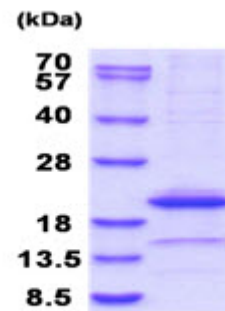
MGSSHHHHH SSGLVPRGSH MGSSAPYTYQ SDLRYKLMKL VRQKFVMNDS LNQTIYQDVD
KHYLSTTWLN DLQQEVKFDN YAYSSGGDDS KYPVTLKISD SQLFVSAQGE DQPVLLKELP
ETPKLITGSE TDLIFFWKSI NSKNYFTSAA YPELFIATKE QSRVHLARGL PSMTDFQIS

Molecular weight: 20.4 kDa (179aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

Pictures:

15% SDS-PAGE (3ug)