

Recombinant Mouse interleukin 1, alpha, His-tagged

Cat. No. IL1a-640M Lot. No. (See product label)

SPECIFICATION

Product Overview	IL1a, 115-270 aa Mouse, His tag, E.coli
Species	Mouse
Source	E.coli
ProteinLength	115-270 a.a.
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.
Form	Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol
Molecular Mass	20.4 kDa (179aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSSAPYTYQ SDLRYKLMKL VRQKFVMNDS LNQTIYQDVD KHYLSTTWLN DLQQEVKFDY YAYSSGGDDS KYPVTLKISD SQLFVSAQGE DQPVLLKELP ETPKLITGSE TDLIFFWKSI NSKNYFTSAA YPELFATKE QSRVHLARGL PSMTDFQIS
Purity	>85% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [IL1a interleukin 1 alpha \[Mus musculus \]](#)

Official Symbol IL1a

Synonyms IL1A; interleukin 1 alpha; interleukin-1 alpha; IL-1 alpha; IL-1a;

Gene ID [16175](#)

mRNA Refseq [NM_010554](#)

Protein Refseq [NP_034684](#)

Pathway Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis signaling pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem;

Function copper ion binding; cytokine activity; interleukin-1 receptor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA