Recombinant Rat Il1a protein, His-tagged

Cat. No. Il1a-75R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat IL1A, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Rat
Source	E.coli
Description	IL1A also known as interleukin-1 alpha. IL1A belongs to the interleukin 1 cytokine family. IL1A is part of Interleukin-1. IL1 stimulates thymocyte proliferation by inducing IL2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL1 proteins are involved in the inflammatory response, especially IL1A is an early and important mediator of inflammation after injury.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	20.2kDa (179aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSAPHSFQ NNLRYKLIRI VKQEFIMNDS LNQNIYVDMD RIHLKAASLN DLQLEVKFDM YAYSSGGDDSKYPVTLKVSN TQLFVSAQGE DKPVLLKEIP ETPKLITGSE TDLIFFWEKI NSKNYFTSAA FPELLIATKE QSQVHLARGL PSMIDFQIS
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot

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	and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Il1a interleukin 1 alpha [Rattus norvegicus]
Official Symbol	Il1a
Synonyms	IL1A; interleukin 1 alpha; interleukin-1 alpha; IL-1 alpha;
Gene ID	24493
mRNA Refseq	NM_017019
Protein Refseq	NP_058715
MIM	
UniProt ID	
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved 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; Graft-versus-host disease, organism-specific biosystem;
Function	copper ion binding; copper ion binding; cytokine activity; cytokine activity; interleukin-1, Type I receptor binding;

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