Recombinant Human IL1A, GST-tagged

Cat. No. IL1A-14166H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-271a.a.
Description	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimers disease.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	IL1A interleukin 1, alpha [Homo sapiens]
Official Symbol	IL1A
Synonyms	IL1A; interleukin 1, alpha; IL1; interleukin-1 alpha; hematopoietin 1; IL 1A; IL1 ALPHA; IL1F1; preinterleukin 1 alpha; pro interleukin 1 alpha; IL-1 alpha; hematopoietin-1; pro-interleukin-1-alpha; IL-1A; IL1-ALPHA;
Gene ID	3552
mRNA Refseq	NM_000575
Protein Refseq	NP_000566
MIM	147760
UniProt ID	P01583
Chromosome Location	2q14
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response, organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem;
Function	copper ion binding; cytokine activity; interleukin-1 receptor binding; protein binding;

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