

Recombinant Active Pig IL1A Protein, His-tagged(C-ter)

Cat. No. IL1A-160P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Pig IL1A Protein with His tag (C-ter) was expressed in E. coli.
Species	Pig
Source	E.coli
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 Alzheimer's disease. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce D10.G4.1 cells proliferation. The ED50 for this effect is < 50 pg/ml.
AA Sequence	MSATYSFQSNMKYNFMRVINHQICILNDARNQSIIRDPSGQYLMAAVLNNLDEAVKFD MAAYTSNDDSQLPVTLRISETRLFVSAQNEDEPVLLKELPETPKTIKDETSLLFFWEK HGNMDYFKSAAHPKLFIAIRQEKLVHMAPGLPSVTDFQILENQS
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

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Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	IL1A interleukin 1, alpha [<i>Sus scrofa</i>]
Official Symbol	IL1A
Synonyms	IL1A; interleukin 1, alpha; interleukin-1 alpha; IL-1 alpha; interleukin 1-alpha; IL-1alpha;
Gene ID	397094
mRNA Refseq	NM_214029
Protein Refseq	NP_999194

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SDS-PAGE

Pig IL1 alpha
recombinant protein

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