Active Recombinant Pig IL1A Protein (Ser113-Ser270), C-His tagged, Animal-free, Carrier-free

Cat. No. IL1A-203P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL1A Protein (Ser113-Ser270) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Ser113-Ser270
Description	Interleukin 1-alpha (IL-1α), also named hematopoietin 1, is a 17.65 kDa cytokine with 159 amino acid residues. IL-1α is mainly expressed in macrophages, neutrophils, epithelial cells, and endothelial cells. When IL-1α binds to the IL-1 receptor, It mediates a wide variety of biological processes such as cell division, angiogenesis, production of interleukin-2, and cellular sodium ion homeostasis. In addition, IL-1α also plays a critical role in immune responses, such as fever and inflammation, and triggers tumor necrosis factor-alpha.
Form	Lyophilized
Bio-activity	Measure by its ability to induce D10.G4.1 cells proliferation. The ED50 for this effect is < 50 pg/mL
Molecular Mass	The protein has a calculated MW of 19.02 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

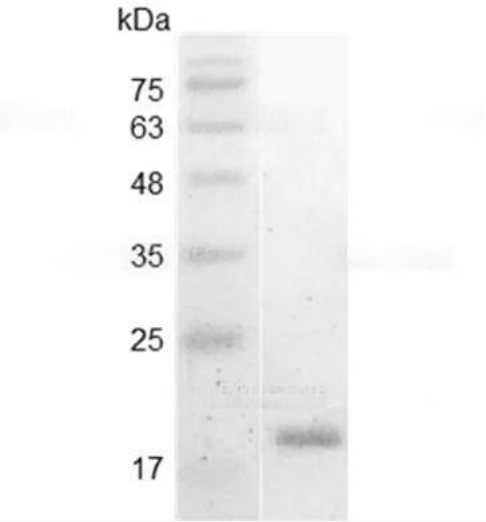
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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL1A interleukin 1, alpha [Sus scrofa]
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

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Protein Refseq	NP_999194
UniProt ID	P18430
SDS-PAGE analysis of recombinant swine IL-1 alpha.	

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