Active GMP Recombinant Porcine IL1B Protein, His-Tagged

Cat. No. IL1B-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine IL1B Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	Interleukin 1 beta (IL-1β) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a cytokine protein that in humans is encoded by the IL1B gene. There are two genes for interleukin-1 (IL-1): IL-1 alpha and IL-1 beta (this gene). IL-1β precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1β.
Form	Lyophilized
Bio-activity	Measure by its ability to induce D10.G4.1 cells proliferation. The ED50 for this effect is <3 ng/mL.
AA Sequence	MANVQSMECKLQDKDHKSLVLAGPHMLKALHLLTGDLKREVVFCMSFVQGDDSNN KIPVTLGIKGKNLYLSCVMKDNTPTLQLEDIDPKRYPKRDMEKRFVFYKTEIKNRVEF ESALYPNWYISTSQAEQKPVFLGNSKGRQDITDFTMEVLSP with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.

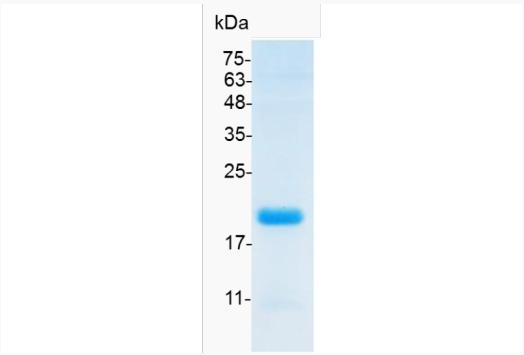
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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	IL1B interleukin 1 beta [Sus scrofa (pig)]
Official Symbol	IL1B
Synonyms	IL1B1
Gene ID	397122
mRNA Refseq	NM_214055.1
Protein Refseq	NP_999220.1
UniProt ID	P26889

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