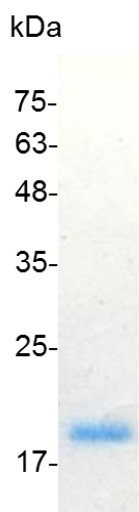


## PRODUCT INFORMATION

**IL-1 alpha (Interleukin-1 alpha), Swine**

<b>Catalog number</b>	C03001-5UG / C03001-20UG / C03001-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Interleukin 1 alpha (IL-1α) also known as hematopoietin 1 is a cytokine of the interleukin 1 family that in humans is encoded by the IL1A gene. IL-1α is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. It binds to the interleukin-1 receptor. It is on the pathway that activates tumor necrosis factor-alpha.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MSATYSFQSNMKYNFMRVINHQICILNDARNQSIIRDPSGQYLMAAVLNNLDEAV KFDMAAYTSNDDSQLPVTLRISETRLFVSAQNEDEPVLLKELPETPKTIKDETSL LFFWEKHGNDYFKSAAHPKLFIAATRQEKLVHMAPGLPSVTDVFQILENQS with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce D10.G4.1 cells proliferation. The ED <sub>50</sub> for this effect is <50 pg/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant swine IL-1 alpha

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