

Active Recombinant Pig IL15 Protein (Thr49-Ser162), N-His tagged, Animal-free, Carrier-free

Cat. No. IL15-212P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL15 Protein (Thr49-Ser162) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Thr49-Ser162
Description	Interleukin 15 (IL-15) is a 12.65 kDa cytokine with 114 amino acid residues and is primarily produced from mononuclear phagocytes like dendritic cells, monocytes, and macrophages. IL-15 plays a critical role in the innate immune system when IL-15 binds to the IL-15 receptor. In addition, IL-15 mediates biological functions, such as the proliferation of natural killer cells and T cells, preventing the immune cells from apoptosis by activating STAT3 /JAK and PI3K/ALT signaling pathways.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in TF-1 cells. The ED50 for this effect is < 5.5 ng/mL.
Molecular Mass	The protein has a calculated MW of 14.06 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.01 EU/μg of the protein by the LAL method.
Purity	>95% 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 H ₂ O 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	IL15 interleukin 15 [<i>Sus scrofa</i>]
Official Symbol	IL15
Synonyms	IL15; interleukin 15; interleukin-15; IL-15;
Gene ID	397683
mRNA Refseq	NM_214390
Protein Refseq	NP_999555

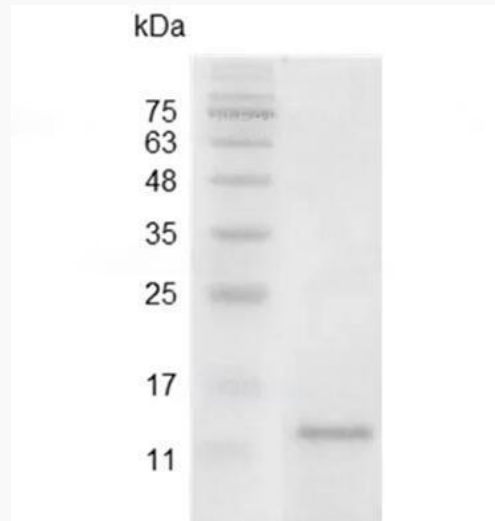
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UniProt ID**Q95253**

**SDS-PAGE analysis
of recombinant
swine IL-15.**



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