Active Recombinant Pig IL6 Protein (Arg31-Met212), C-His tagged, Animal-free, Carrier-free

Cat. No. IL6-213P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL6 Protein (Arg31-Met212) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Arg31-Met212
Description	Interleukin-6 (IL-6) is a pleiotropic cytokine which plays fundamental role in the acute phase response, inflammation, bone metabolism, lymphocyte differentiation and cancer progression. Deregulation of IL-6 production was also found in several diseases, including rheumatoid arthritis, Alzheimer's disease, autoimmune deficiency disease and different types of cancer.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in T1165.85.2.1 cells. The ED50 for this effect is < 1.5 ng/mL.
Molecular Mass	The protein has a calculated MW of 21.9 kDa. The protein migrates as 23 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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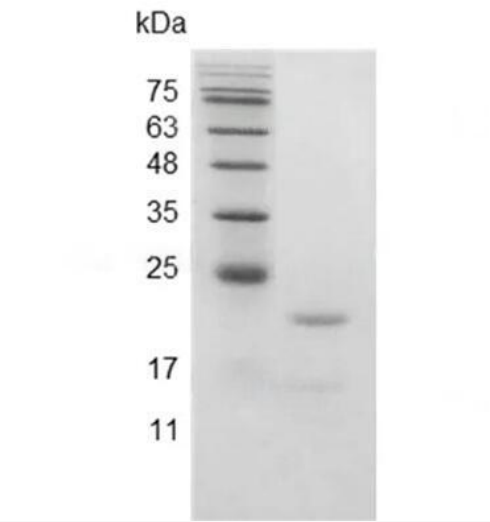
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized 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	IL6 interleukin 6 (interferon, beta 2) [Sus scrofa]
Official Symbol	IL6
Synonyms	IL6; interleukin 6 (interferon, beta 2); interleukin-6; IL-6; interleukin-6 protein;
Gene ID	399500
mRNA Refseq	NM_214399
Protein Refseq	NP_999564
UniProt ID	P26893

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SDS-PAGE analysis of recombinant swine IL-6.



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