

Active GMP Recombinant Porcine IL4 Protein, His-Tagged

Cat. No. IL4-01P Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine IL4 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	The interleukin 4 (IL4, IL-4) is a cytokine that induces differentiation of naive helper T cells (Th0 cells) to Th2 cells. Upon activation by IL-4, Th2 cells subsequently produce additional IL-4 in a positive feedback loop. The cell that initially produces IL-4, thus inducing Th2 differentiation, has not been identified, but recent studies suggest that basophils may be the effector cell. It is closely related and has functions similar to Interleukin 13.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in TF-1 cells. The ED50 for this effect is <0.6 ng/mL.
AA Sequence	MHKCDITLQEIIKTLNILTARKNSCMELPVTDVFAAPENTTEKETFCRASTVLRHIYRH HTCMKSLLSGLDRNLSSMANMTCSVHEAKKSTLKDFLERLKTIMKEKYSKC 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.

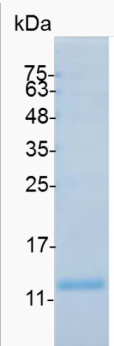
GENE INFORMATION

Gene Name	IL4 interleukin 4 [<i>Sus scrofa</i> (pig)]
Official Symbol	IL4
Gene ID	397225
mRNA Refseq	NM_214123.1
Protein Refseq	NP_999288.1
UniProt ID	Q04745

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