

Recombinant Swine IL-12 p40

Cat. No. IL12B-84S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Swine IL-12/IL-23 p40 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Pig
Source	Yeast
Description	IL-12 is a member of the IL-12 family, which includes IL-12, IL-23, IL-27, and IL-35. Like other IL-12 family members, IL-12 is a heterodimeric cytokine. IL-12 is encoded by two separate genes, IL-12A (p35) and IL-12B (p40). The active heterodimer, and a homodimer of p40 are formed following protein synthesis. IL-12 is involved in the differentiation of naive T cells into Th1 cells. It is known as a T cell-stimulating factor, which can stimulate the growth and function of T cells. It stimulates the production of IFN-gamma and TNF-alpha from T and natural killer (NK) cells, and reduces IL-4 mediated suppression of IFN-gamma.
Form	Lyophilized
Molecular Mass	34.3 kDa
AA Sequence	IWELEKNVYV VELDWYPNAP GEMVLT CNT PEEDGITWTS DQSSEVLGTG KTLTIHVKEF GDAGQYTCRK GGAVLSQSLL LLHKKEDGIW STDILKDQKE PKNKSFLKCE AKNYSGRFTC WWLTAISTDL KFSVKSSRGS TDPRGVTCGT ATLSEDLGEY KKYRVECQEG SACPAAEESL PIEVVLEAVH KLKYENYTSS FFIRDIKPD PPKNLQLNPL KNSRHVEISW EYPDTWSTPH SYFSLMFGVQ

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VQGKKNKREKK DKLFTDQISA KVTCHKDANI RVQARDRYYS SSWSEWASVS CN
(302)

Applications

The Swine IL-12/IL-23 p40 protein can be used in cell culture, as an IL-12/IL-23 p40 ELISA Standard, and as a Western Blot Control.

Storage

-20 C

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