Recombinant Zebrafish il6 Protein

Cat. No. il6-23Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish il6 was expressed in Yeast. The Zebrafish IL-6 recombiniant protein was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Zebrafish
Source	Yeast
Description	Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is also produced from muscle, and is elevated in response to muscle contraction. It is significantly elevated with exercise, and precedes the appearance of other cytokines in the circulation. Osteoblasts secrete IL-6 to stimulate osteoclast formation. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6 as a pro-inflammatory cytokine. The role of IL-6 as an anti-inflammatory cytokine is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10.
Molecular Mass	24.1 kDa
AA Sequence	DPVPVFSSMG ELSEISGDEV QDVDVKSLLG DRQKWHLMAR DLYKDVKTLR DEQFERDFRE MVNMTAFEGV RISTPLLKPS DRCLSKNFST ERCLTRIYSV LTWYKDNWNY IEKENLTSVL VNDIKHSTKR LLEAINSQLQ VRDGEMDQTS

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	STSLSFKSAW TRKTTVHSIL FNFSSVMIDA CRAINYMSRR KRGKDPKRTG DWGSADKN (208)
Applications	The Zebrafish IL-6 endotoxin-free recombinant protein can be used in cell culture, as an IL-6 ELISA Standard, and as a Western Blot Control.

GENE INFORMATION

Gene Name	il6 interleukin 6 (interferon, beta 2) [Danio rerio]
Official Symbol	il6
Synonyms	il6; interleukin 6 (interferon, beta 2)
Gene ID	100885851
mRNA Refseq	NM_001261449
Protein Refseq	NP_001248378

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