

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 recombinant 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

STLSLFSKSAW 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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