

Recombinant Zebrafish il10 protein

Cat. No. il10-15Z Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish il10 was expressed in Yeast.
Species	Zebrafish
Source	Yeast
Description	<p>The IL-10 family of cytokines consists of nine members: IL-10, IL-19, IL-20, IL-22, IL-24, IL-26, IL-28A, IL-28B, and IL-29. These cytokines elicit diverse host defense mechanisms. IL-10 family cytokines are essential for maintaining the integrity and homeostasis of tissue epithelial layers. By promoting innate immune response, members of this family can limit the damage caused by viral and bacterial infections. They can also facilitate the tissue-healing process in injuries caused by infection or inflammation. IL-10 itself is an anti-inflammatory cytokine. IL-10 family cytokines have indispensable functions in many infectious and inflammatory diseases.</p>
Form	Lyophilized without carrier protein.
Molecular Mass	18.8 kDa (calculated)
AA Sequence	<p>SRRVECKTDC CSFVEGFPLR LRELRSAYKE IQKFYESNDD LEPLLNEDIK HNINSPYGCH VMNEILHFYL ETILPTALQK NPLKHSTTPI DSIGNIFQEL KRDMVKCKRY FSCQNPFEVN SLKNSYEKMK EKGVYKAMGE LDLLFRYIEQ YLASKRVKH (159)</p>
Purity	>95% as visualized by SDS-PAGE analysis.

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Applications	The Zebrafish IL-10 protein can be used in cell culture, as an IL-10 ELISA Standard, and as a Western Blot Control.
Storage	Stable for up to twelve months from date of receipt at -20 centigrade. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20 centigrade. Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

GENE INFORMATION

Gene Name	il10 interleukin 10 [Danio rerio]
Official Symbol	il10
Synonyms	zgc:194510; zgc:194518; interleukin-10
Gene ID	553957
mRNA Refseq	NM_001020785
Protein Refseq	NP_001018621
Chromosome Location	chromosome: 11
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; FoxO signaling pathway, organism-specific biosystem

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Function

cytokine activity

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