

# Recombinant Chicken IL-1 Receptor Antagonist

Cat. No. IL1ra-45C    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Chicken IL-1 Receptor Antagonist was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
<b>Species</b>	Chicken
<b>Source</b>	Yeast
<b>Description</b>	<p>The IL-1 family of cytokines encompasses eleven proteins that each share a similar <math>\beta</math>-barrel structure and bind to Ig-like receptors. Several of the well characterized members of the IL-1-like cytokines play key roles in the development and regulation of inflammation. IL-1<math>\alpha</math> (IL-1F1), IL-1<math>\beta</math> (IL-1F2), and IL-18 (IL-1F4) are well-known inflammatory cytokines active in the initiation of the inflammatory reaction and in driving Th1 and Th17 inflammatory responses. In contrast, IL-1 receptor antagonist (IL-1ra; IL-1F3) and IL-36 receptor antagonist (IL-36ra; IL-1F5) reduce inflammation by blocking the binding of the agonist receptor ligands. IL-33 (IL-1F11) is thought to function as an "alarmin" released following cell necrosis to alerting the immune system to tissue damage or stress. The biological properties of IL-37 (IL-1F7) are mainly those of down-regulating inflammation.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	17.8 kDa
<b>AA Sequence</b>	SVPCRAPALQ TKVFKYRIWD MNQQSLYL RD DQLVAGHLQG ANAALEEKVF WVFNRRFFKHE LQPVMIGIRN GTRCLACPAAPQPTLQLQDA DITELPRSGA

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ASAPFTFFRT YKDGLWRFES AANPGWFLCT SARAHQPLGL SRRPDAAHVL  
DFYFQLC (157)

**Applications**

The Chicken IL-1 Receptor Antagonist protein can be used in cell culture, as an IL-1RA ELISA Standard, and as a Western Blot Control.

**Storage**

-20 C

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