



## Product Datasheet

<b>Product Name</b>	Interleukin-1 Receptor Antagonist Human Recombinant, His Tag
<b>Cata No</b>	CB500383
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	IRAP, IL1F3, IL1RA; IL-1ra3, ICIL-1RA, IL1RN, IL1 inhibitor, IL-1ra, MGC10430.

### Description

IL-1Ra is the natural antagonist of the pro-inflammatory cytokines Interleukin-1 $\alpha$  and Interleukin-1 $\beta$ . IL-1Ra is produced by a variety of cells including monocytes, macrophages, neutrophils and fibroblasts in response to the binding of various pro-inflammatory cytokines. Human IL1Ra Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 152 amino acids fragment (26-177) and having a total molecular mass of 17 kDa with an amino-terminal hexahistidine tag. The IL-1Ra His is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Purity

Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

### Formulation

Interleukin-1Ra His-tag protein is supplied in 1x PBS and 50% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks.  
Store, frozen at -20°C for longer periods of time.  
**Please avoid freeze thaw cycles.**