

Recombinant Human IL-1RA/IL1RN Protein

Catalog No. PKSH033633

Description

Synonyms	Interleukin-1 Receptor Antagonist Protein; IL-1RN; IL-1ra; IRAP; ICIL-1RA; IL1 Inhibitor; Anakinra; IL1RN; IL1F3; IL1RA
Species	Human
Expression_host	E.coli
Sequence	Arg26-Glu177
Accession	P18510
Mol_Mass	17.26 kDa
AP_Mol_Mass	18 kDa

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50mM TrisHCl, 200mM NaCl, pH 7.5.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Interleukin-1 Receptor Antagonist (IL-1RN) is a member of the IL-1 family. Endogenous IL-1RN is produced in numerous animal disease models as well as in human autoimmune and chronic inflammatory diseases. It binds to IL-1 receptors in competition with IL-1, but does not elicit intracellular response from this binding. Its role in counteracting the proinflammatory effects of IL-1 is being studied by numerous research groups. IL-4 and IL-13 have been shown to amplify the stimulatory effect of IL1-beta on the production of soluble and intracellular forms of IL-1RN. The regulated expression of IL-1RN in various cell types has been shown to be influenced by cytokines. In synovial fibroblasts, IL-1, TNF-alpha, or PDGF markedly enhances the synthesis of IL-1RN.

SDS-PAGE

