9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1374: IL 1RA Recombinant Protein

Alternative Name : IRAP,IL1F3,IL1RA,IL-1ra3,ICIL-1RA,IL1RN,IL1 inhibitor,IL-1ra,MGC10430.

Description

Source : Escherichia Coli. IL1ra Human Recombinant produced in E.Coli is a non-glycosylated, N-terminal methionyl form of the human naturally-occurring polypeptide chain containing 153 amino acids and having a molecular mass of 17000 Dalton. The IL1ra is purified by proprietary chromatographic techniques. Interleukin-1 ra is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

Product Info

Amount :	100 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized protein with no additives.
Storage condition :	Lyophilized Interleukin 1ra although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-1ra should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Arg-Pro-Ser-Gly.

Application Note

It is recommended to reconstitute the lyophilized Interleukin-1 ra in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant inhibition of IL-1 stimulation of D10S cells was found to be 0.5 ng/ml corresponding to a Specific Activity of 2,000,000IU/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.