9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL 1RA Porcine

Interleukin-1 Receptor Antagonist Porcine Recombinant
CYK0285

Product Overview

Name	IL 1RA Porcine
Description	
Interleukin-1 Receptor Antagonist Porcine Recombinant	
Accession (Primary)	Q6PUJ3
Synonyms	
IRAP, IL1F3, IL1RA, IL-1ra3, ICIL-1RA, IL1RN, IL1 inhibitor, IL-1ra, MGC10430.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The IL 1RA was lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4, containing 1mM DTT.	
Stability	
Lyophilized IL 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.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
HPLGKRPCRM QAFRIWDVNQ KTFYLRNNQL VAGYLQGPNT KLEEKIDVVP VEPHFVFLGI HGGKLCLSCV KSGDEMKLQL DAVNITDLRK NSEQDKRFTF IRSDSGPTTS FESAACPGWF LCTALEADQP VGLTNTPKAA	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VKVTKFYFQQ DQ

Biological Activity

The ED50 as determined by inhibiting IL-1a-dependent proliferation of murine D10S cells is less than 50 ng/ml, corresponding to a specific activity of > 2.0 × 10 4 IU/mg in the presence of 75 pg/ml rPoIL-1a.

Solubility

It is recommended to reconstitute the lyophilized IL 1RA in sterile distilled H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 1RA Porcine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q6PUJ3)