
Product Data Sheet

Product Name: IL 1RA Rat, His
 Cat. No.: GP20466
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-1 receptor antagonist protein; IL-1RN; IL-1ra; IRAP; IL1 inhibitor; Il1rn; Il-1ra; Interleukin-1 Receptor Antagonist; IL-1ra; IL 1RA.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHPAGKRP CKMQAFRIWD TNQKTFYLRN NQLIAGYLQG PNTKLEEKID MVPIDFRNVF LGIHGGKLCL SCVKSGDDTK LQLEEVNITD LNKNKEEDKR FTFIRSETGP TTSFESLACP GWFLCTTLEA DHPVSLTNTP KEPCTVTKFY FQEDQ.		
Formulation	IL 1RA protein solution (1mg/ml) containing Phosphate Buffer Saline (pH7.4), 10% glycerol and 1mM DTT.		

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.

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL 1RA Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 175 amino acids (27-178a.a.) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

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19.8kDa.IL 1RA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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