

For Research Use Only

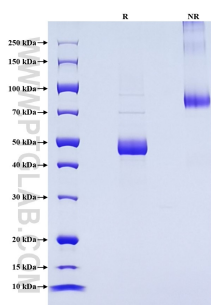
Recombinant Rat IL-1RA protein (rFc Tag)



Catalog Number: Eg3206

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Rat IL-1RA protein His27-Gln178 (Accession# P25086) with a rabbit IgG Fc tag at the N-terminus.</p> <p>GeneID: 60582</p> <p>Accession: P25086</p> <p>Predicted Molecular Mass: 44.6 kDa</p> <p>SDS-PAGE: 45-53 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Interleukin-1 receptor antagonist (IL-1RA) is a critical member of the IL-1 family of cytokines, which plays a significant role in modulating inflammatory responses. IL-1RA exists in two main forms: a secreted form (sIL-1Ra) and an intracellular form (icIL-1Ra). The secreted form is produced by various cells including monocytes, macrophages, neutrophils, and other cells, while the intracellular form is found in keratinocytes and other epithelial cells, as well as in monocytes and fibroblasts. IL-1RA acts as an anti-inflammatory agent by maintaining the balance between pro-inflammatory IL-1 α / β and its own anti-inflammatory effects.</p>		
References	<ol style="list-style-type: none">1.Arend WP. (2002) Cytokine Growth Factor Rev. 13(4-5):323-340.2.Spulber S, et al. (2009) Brain Behav Immun. 23(5):573-579.3.Gabay C, et al. (2010) Nat Rev Rheumatol. 6(4):232-241.4.Akash MS, et al. (2013) Pharm Res. 30(11):2951-2966.		
Synonyms	IL1 inhibitor, IL1RA, IL1rn, IL-1RN, Interleukin-1 receptor antagonist protein		

Selected Validation Data



Purity of Recombinant Rat IL-1RA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.