

General Information

Gene Name Synonym

ICIL-1RA; IL1 inhibitor

Protein Construction

A DNA sequence encoding the mature form of human IL1RA isoform1 (NP_776214.1) (Arg 26-Glu 177) was expressed.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human IL1RA at 10 µg/ml (100 µl/well) can bind human IL1R2-Fc (Cat:504536), The EC₅₀ of human IL1R2-Fc (Cat:504536) is 0.04-0.1 µg/mL.
2. Measured by its binding ability in a functional ELISA. Immobilized human IL1RA at 10 µg/ml (100 µl/well) can bind human IL1R1-Fc (Cat:500060), The EC₅₀ of human IL1R1-Fc (Cat:500060) is 0.08-0.2 µg/mL.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human IL1RA consists of 153 amino acids and predicts a molecular mass of 17.3 kDa which is also estimated by SDS-PAGE.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

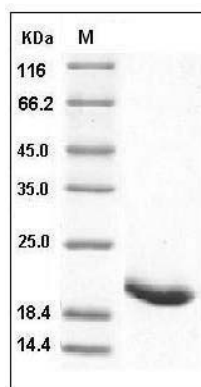
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human IL-1RA / IL1RN Protein SDS-PAGE