Recombinant human IL-1Ra/IL1RN protein

Catalog Number: ILA0501

PRODUCT INFORMATION

Expression system
E.coli

Domain
26-177aa

UniProt No.
P18510

NCBI Accession No.
NP_776214

Alternative Names
Interleukin-1 receptor antagonist protein, IL-1RN, IL-1ra, IRAP, ICIL-1RA, IL1 inhibitor, IL1F3, IL1RA

PRODUCT SPECIFICATION

Molecular Weight
17.2 kDa (153aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
One of the most potent pro-inflammatory mediators is the early-acting cytokine interleukin-1 (IL-1), whose actions are regulated by the structurally related IL-1 receptor antagonist (IL-1 RA). IL-1 RA is a competitive IL-1 inhibitor and a powerful anti-inflammatory agent. Also, Several autoimmune and inflammatory diseases have been associated with an allelic polymorphism of the IL-1 RA gene. Recombinant human IL-1 RA was expressed in

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E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

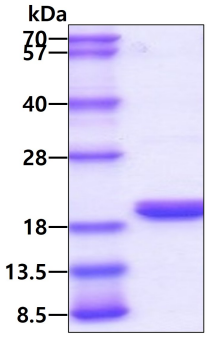
MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGPN VNLEEKIDVV PIEPHALFLG IHGGKMCLSC VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE GVMVTKFYFQ EDE

General References

Capper., et al. (2004) Clin. Exp. Immunol. 138:348
Roberge CJ., et al. (1994) Journal of Immunology. 152: 5485-94
Carter DB., et al. (1990) Nature. 344: 633-7

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.