

Recombinant rat IL-1Ra/IL1RN protein

Catalog Number: ATGP3127

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-178aa

UniProt No.

P25086

NCBI Accession No.

NP_071530

Alternative Names

Interleukin-1 receptor antagonist protein, IL-1RN, IL-1ra, IRAP, IL1 inhibitor, IL1RA

PRODUCT SPECIFICATION

Molecular Weight

19.8 kDa (175aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

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

Il1rn also known as Interleukin-1 receptor antagonist protein is a member of the interleukin 1 cytokine family. Il1rn may represent a reservoir of IL-1 inhibitors, released upon cell death, whose function is to limit the pro-inflammatory signals but most prominently by mononuclear phagocytes and keratinocytes. Il1rn is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Recombinant rat Il1rn, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHPAGKRP CKMQAFRIWD TNQKTFYLRN NQLIAGYLQG PNTKLEEKID MVPIDFRNVF
LGIHGGKLCL SCVKSGDDTK LQLEEVNITD LNKNEEDKR FTFIRSETGP TTSFESLACP GWFLCTTLEA DHPVSLTNTF
KEPCTVTKFY FQEDQ

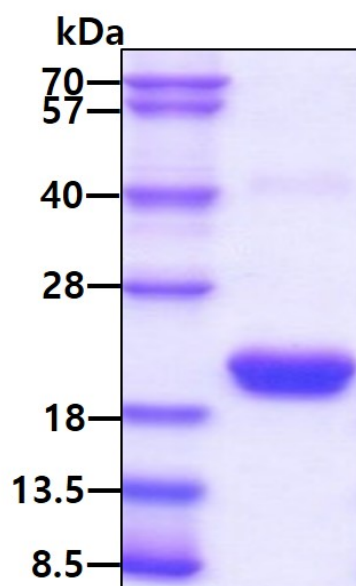
General References

Steinkasserer A., et al. (1992) Genomics. 13(3):654-7.

Langdahl BL., et al. (2000) J Bone Miner Res. 15(3): 403-14.

DATA

SDS-PAGE



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