

IL1rn, 27-178aa, Rat, His tag, E.coli

Cat.NO.: TP02628

3th Edition

Synonyms: Interleukin-1 receptor antagonist protein, IL-1ra, il1ra

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.

Form: Liquid. In Phosphate Buffer Saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight: 19.8kDa (175aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHHPAGKRPMQAFRIWDTNQKTFYLRNNQLIAGYLQGPNTKLEEKIDMVPID
FRNVFLGIHGGKLCLSCVKSGDDTKLQLEEVNITDLNKNKEEDKRFTFIRSETGPTTSFESLACPGWFLCTTLEADH
PVSLTNTPKPCTVTKFYFQEDQ

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.