

Active Recombinant Mouse Il1rn Protein (Arg27-Gln178), C-His tagged, Animal-free, Carrier-free

Cat. No. Il1rn-56M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il1rn Protein (Arg27-Gln178) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Arg27-Gln178
Description	Interleukin 1 receptor antagonist (IL-1RA) predicts a molecular mass of 19.8 kDa, is a member of the IL-1 family that binds to IL-1 receptors but does not induce any intracellular response. Two structural variants of IL-1RA have previously been described: a 17 kDa form that is secreted from monocytes, macrophages, neutrophils, and other cells (sIL-1RA) and an 18 kDa form that remains in the cytoplasm of keratinocytes and other epithelial cells, monocytes, and fibroblasts (icIL-1RA).
Form	Lyophilized
Bio-activity	Measure by its ability to inhibit IL-1 alpha -dependent proliferation in D10.G4.1 cells. The ED50 for this effect is < 50 ng/mL.
Molecular Mass	The protein has a calculated MW of 18.27 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Il1rn interleukin 1 receptor antagonist [Mus musculus (house mouse)]
Official Symbol	Il1rn
Synonyms	IL1RN; interleukin 1 receptor antagonist; interleukin-1 receptor antagonist protein; IRAP; IL-1RN; IL1 inhibitor; IL-1ra; F630041P17Rik;
Gene ID	16181
mRNA Refseq	NM_001039701

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Protein Refseq NP_001034790

UniProt ID P25085

**SDS-PAGE analysis
of recombinant
mouse IL-1RA.**

kDa

75

63

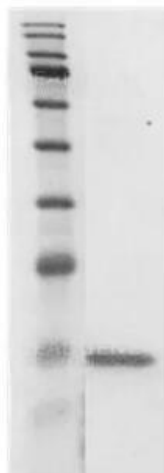
48

35

25

17

11



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