

Active Recombinant Mouse Il1rn Protein, His-Tagged

Cat. No. Il1rn-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il1rn Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene. IL-1RA was initially called the IL-1 inhibitor and was discovered separately in 1984 by two independent laboratories. IL-1RA is an agent that binds non-productively to the cell surface interleukin-1 receptor (IL-1R), the same receptor that binds interleukin 1 (IL-1), preventing IL-1 from sending a signal to that cell.
Form	Lyophilized powder
AA Sequence	MRPSGKRPCCKMQAFRIWDTNQKTFYLRNNQLIAGYLQGPNIKLEEKIDMVPIDLHSV FLGIHGGKLCLSCAKSGDDIKLQLEEVNITDLSKNK EEDKRFTFIRSEKGPPTTSFESAACPGWFLCTTLEADRPVSLTNTPEEPLIVTKFYFQE DQ with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
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.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

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Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

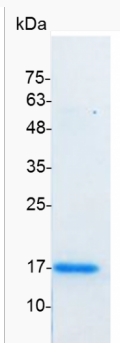
GENE INFORMATION

Gene Name	Il1rn interleukin 1 receptor antagonist [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il1rn
Synonyms	IL-1ra; F630041P17Rik
Gene ID	16181
mRNA Refseq	NM_001039701.3
Protein Refseq	NP_001034790.1
UniProt ID	P25085

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