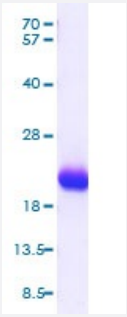
Bioactive

Il1rn (Mouse) Recombinant Protein

Catalog # P6973 Size 100 ug

Applications



Result of bioactivity analysis

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Il1rn (Mouse) Recombinant Protein (Cat # P6973) inhibits Mouse IL-1 alpha induced cell proliferation in the D10.G4.1 mouse helper T cell. The ED50 range is less or equal to 60 ng/mL.

Specification

Product Description	Mouse Il1rn (NP_001034790, 27 a.a. - 178 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	20
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method).

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Activity	Measured by the ability to inhibit proliferation using D10.G4.1 mouse helper T cells. The ED_{50} for this effect is less or equal to 60 ng/mL with Mouse IL-1 alpha.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	Bioactivity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis Il1rn (Mouse) Recombinant Protein (Cat # P6973) inhibits Mouse IL-1 alpha induced cell proliferation in the D10.G4.1 mouse helper T cell. The ED50 range is less or equal to 60 ng/mL.

Applications

- SDS-PAGE

Gene Info — Il1rn

Entrez GeneID	16181
Protein Accession#	NP_001034790
Gene Name	Il1rn
Gene Alias	F630041P17Rik, IL-1ra
Gene Description	interleukin 1 receptor antagonist
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000012801|OTTMUSP00000012802

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