

Recombinant Mouse Il2ra Protein, His-tagged

Cat. No. Il2ra-1676M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il2ra Protein (Glu22-Lys236) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu22-Lys236
Description	Enables interleukin-2 binding activity and interleukin-2 receptor activity. Acts upstream of or within several processes, including Notch signaling pathway; activation-induced cell death of T cells; and regulation of T cell proliferation. Located in external side of plasma membrane. Is expressed in bone marrow. Used to study Sjogren's syndrome and inflammatory bowel disease. Human ortholog(s) of this gene implicated in immunodeficiency 41; lymphopenia; multiple sclerosis; type 1 diabetes mellitus; and type 1 diabetes mellitus 10. Orthologous to human IL2RA (interleukin 2 receptor subunit alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.4 kDa Accurate Molecular Mass: 37 kDa
Purity	> 90%

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Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL2ra interleukin 2 receptor, alpha chain [Mus musculus (house mouse)]
Official Symbol	IL2ra
Synonyms	IL2RA; interleukin 2 receptor, alpha chain; interleukin-2 receptor subunit alpha; IL2-RA; IL-2-RA; p55 chain; IL-2R alpha chain; IL-2R subunit alpha; IL-2 receptor subunit alpha; CD25; IL2r; Ly-43; MGC130561;
Gene ID	16184
mRNA Refseq	NM_008367
Protein Refseq	NP_032393

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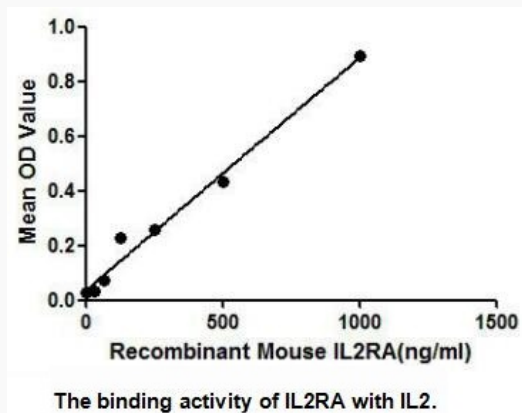
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UniProt ID

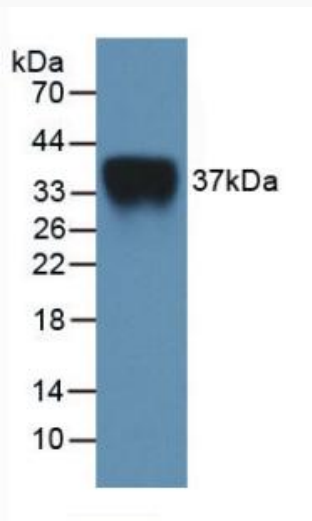
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Bioactivity



The binding activity of IL2RA with IL2.

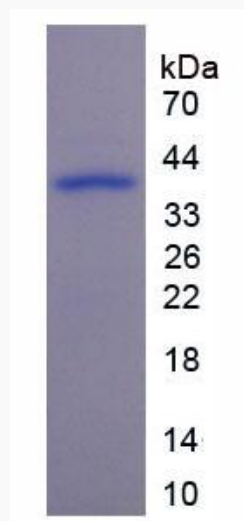
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