

## Recombinant Human IL15RA Protein, His-tagged

Cat. No. IL15RA-2292H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human IL15RA Protein (Ile31-Leu234) with a N-His tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** Ile31-Leu234

**Description**

This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported.

**Form** Freeze-dried powder

**Molecular Mass** Predicted Molecular Mass: 25.3 kDa  
Accurate Molecular Mass: 29&34 kDa

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<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	IL15RA interleukin 15 receptor, alpha [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL15RA
<b>Synonyms</b>	IL15RA; interleukin 15 receptor, alpha; interleukin-15 receptor subunit alpha; CD215; IL 15RA; MGC104179;
<b>Gene ID</b>	3601
<b>mRNA Refseq</b>	NM_001243539

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<b>Protein Refseq</b>	NP_001230468
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<b>MIM</b>	601070
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<b>UniProt ID</b>	Q13261
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