

# Recombinant Human IL2 Protein (Ala21-Thr153), Tag Free

## Product Information

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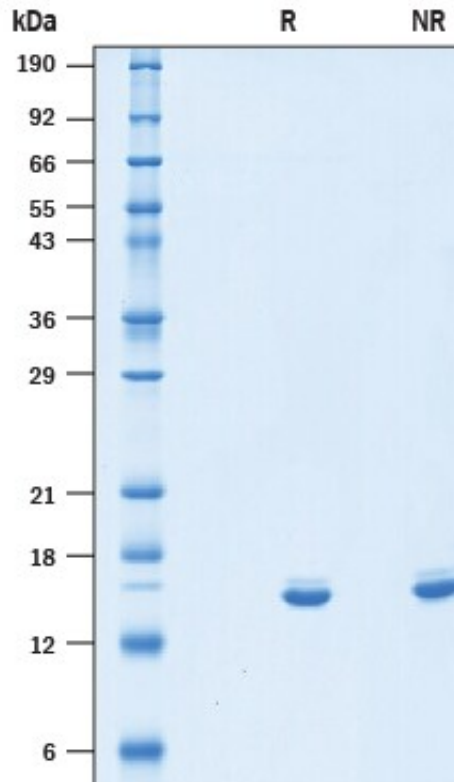
<b>Cat</b>	IMP-10579
<b>Official Symbol</b>	IL2
<b>Product Overview</b>	Recombinant human IL-2 protein (Ala21-Thr153) without tag was expressed in Chinese Hamster Ovary cell line.
<b>Description</b>	<i>This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.</i>
<b>Expression System</b>	CHO
<b>Species</b>	Human
<b>Tag</b>	Tag Free
<b>Predicted N Terminal</b>	Ala21
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
<b>Molecular Mass</b>	Predicted Molecular Mass: 15 kDa SDS-PAGE: 14-18 kDa, under reducing conditions
<b>Protein length</b>	Ala21-Thr153
<b>Bio-activity</b>	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.05-0.3 ng/mL.
<b>Endotoxin</b>	
<b>Purity</b>	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
<b>Notes</b>	Monomer
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to

*-70 centigrade under sterile conditions after reconstitution.*

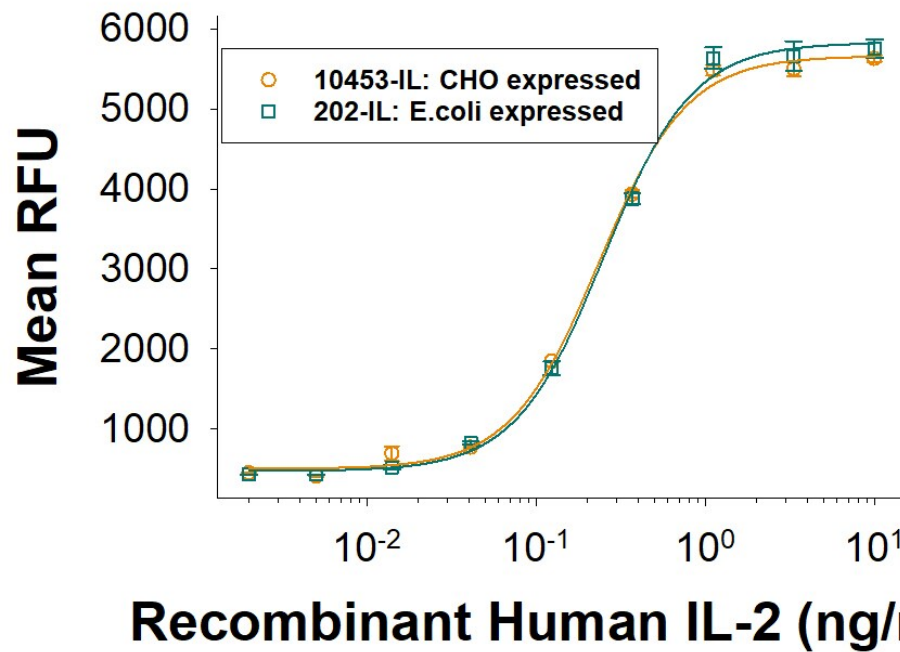
**Reconstitution**

*Reconstitute at 100-500 µg/mL in sterile 100 mM Acetic Acid.*

**SDS-PAGE**



**Bioactivity-ELISA 1**



**Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.05-0.3 ng/mL.**