Recombinant Human IL10RB Protein, Met20-Ser220, C-Fc tagged

Cat. No. IL10RB-202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL-10 R beta Protein (Met20-Ser220) with Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	20-220 a.a.
Description	The protein encoded by this gene belongs to the cytokine receptor family. It is an accessory chain essential for the active interleukin 10 receptor complex. Coexpression of this and IL10RA proteins has been shown to be required for IL10-induced signal transduction. This gene and three other interferon receptor genes, IFAR2, IFNAR1, and IFNGR2, form a class II cytokine receptor gene cluster located in a small region on chromosome 21.
Form	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. Recombinant Human IL-10 R beta Fc Chimera binds Recombinant Human IL-28 R alpha/IFN-lambda R1 Fc Chimera in the presence of Recombinant Human IL-28B/IFN-lambda 3 with an ED50 of 0.250-3.00 μg/mL.

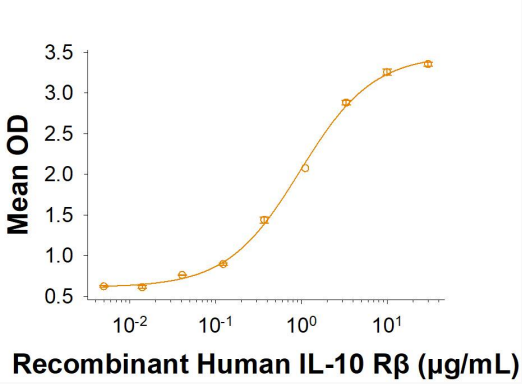
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Molecular Mass	Predicted Molecular Mass: 50 kDa SDS-PAGE: 72-82 kDa, under reducing conditions.
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
N-terminal Sequence Analysis	Met20
Storage	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.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
References	1. Commins, S. et al. (2008) J. Allergy Clin. Immunol. 121:1108. 2. Pestka, S. et al. (2004) Annu. Rev. Immunol. 22:929. 3. Kotenko, S.V. et al. (1997) EMBO J. 16:5894.

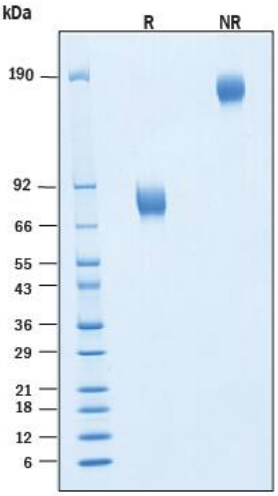
GENE INFORMATION

Gene Name	IL10RB interleukin 10 receptor, beta [Homo sapiens (human)]
Official Symbol	IL10RB

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Synonyms	IL10RB; interleukin 10 receptor, beta; CRFB4, D21S58, D21S66; interleukin-10 receptor subunit beta; CDW210B; CRF2 4; IL 10R2; IL-10RB; IL-10R subunit 2; IL-10R subunit beta; IL-10 receptor subunit beta; cytokine receptor class-II CRF2-4; interleukin-10 receptor subunit 2; cytokine receptor class-II member 4; cytokine receptor family 2 member 4; cytokine receptor family II, member 4; CRFB4; CRF2-4; D21S58; D21S66; IL-10R2
Gene ID	3588
mRNA Refseq	NM_000628
Protein Refseq	NP_000619
MIM	123889
UniProt ID	Q08334
Binding Activity	

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SDS-PAGE	

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