

Product datasheet

Recombinant human IL-21R protein (Fc Chimera Active) ab185250

[2 Images](#)

Description

Product name	Recombinant human IL-21R protein (Fc Chimera Active)	
Biological activity	Measured by its binding ability in a functional ELISA. Immobilized Biotinylated Human IL-21 at 2 µg/mL (100 µL/well) can bind ab185250 with a linear range of 4-63 ng/mL.	
Purity	> 92 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	<u>Q9HBE5</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	CPDLVCYTDYLQTVICILEMWNLHPSTLTLTWQDQYEELKD EATSCSLHR SAHNATHATYTCHEMDFHFMADDIFSVNITDQSGNYSQEC GSFLLAESIK PAPPFNVTVTFSGQYNISWRSDYEDPAFYMLKGLQYELQ YRNRGDPWAV SPRRKLISVDSRSVSLLEFRKDSSYELQVRAGPMPGS SYQGTWSEWSD PVIFQTQSEELKEGWNP	
Predicted molecular weight	52 kDa including tags	
Amino acids	20 to 236	
Tags	Fc tag C-Terminus	
Additional sequence information	IL-21R Fc Chimera, fused with Fc fragment of Human IgG1 at the C-terminus. NCBI Accession No. AAH04348.	

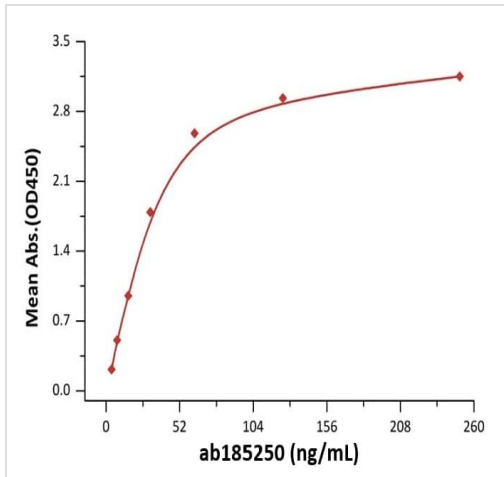
Specifications

Our **Abpromise guarantee** covers the use of **ab185250** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

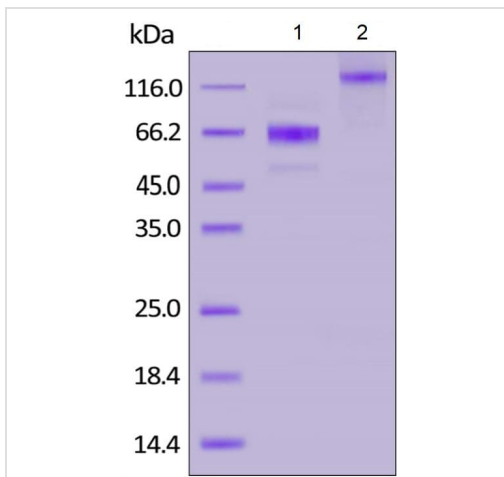
Applications	Functional Studies SDS-PAGE
Form	Lyophilized
Additional notes	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C to -70°C for 12 months in lyophilized state; • -70°C for 3 months under sterile conditions after reconstitution.
<hr/>	
Preparation and Storage	
Stability and Storage	Shipped at 4°C. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please see notes section. pH: 7.4 Constituents: 5% Trehalose, 0.75% Glycine, 0.61% Tris Lyophilized from 0.22 µm filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.
<hr/>	
General Info	
Function	This is a receptor for interleukin-21.
Tissue specificity	Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 2 fibronectin type-III domains.
Domain	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
Post-translational modifications	C-mannosylated at Trp-214 in the WSXWS motif, the sugar chain makes extensive hydrogen bonds with Asn-73 sugar, and bridges the two fibronectin domains transforming the V-shaped receptor into an A-frame.
Cellular localization	Membrane.

Images



Immobilized Biotinylated Human IL-21 at 2 µg/mL (100 µL/well) can bind ab185250 with a linear range of 4-63 ng/mL.

Functional Studies - Recombinant human IL-21R protein (Fc Chimera Active) (ab185250)



ab185250 on SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions. The gel was stained overnight with Coomassie Blue. As a result of glycosylation, the protein migrates as 60-70 kDa under reducing conditions and 120-130 kDa under non-reducing conditions.

SDS-PAGE - Recombinant human IL-21R protein (Fc Chimera Active) (ab185250)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors