

Product datasheet

Recombinant Human IL-21R protein ab192293

Description

Product name	Recombinant Human IL-21R protein	
Purity	> 95 % SDS-PAGE. Determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	Q9HBE5	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	CPDLVCYTDYLQTVICILEMWNLHPSTLTLTWQDQYEELKD EATSCSLHR SAHNATHATYTCHMDVFHFHMADDIFSVNITDQSGNYSQEC GSFLLAESIK PAPPFNVTVTFSGQYNISWRSDYEDPAFYMLKGKLQYELQ YRNRGDPWAV SPRRKLISVDSRSVSLLEFRKDSSYELQVRAGPMPGS SYQGTWSEWSD PVIFQTQSEELKEGWNPVDHHHHHH	
Predicted molecular weight	26 kDa including tags	
Amino acids	20 to 236	
Tags	His tag C-Terminus	
Additional sequence information	Extracellular domain.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab192293** in the following tested applications.

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

Applications	SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

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Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Reconstitute for long term storage. pH: 7.40 Constituents: 99% Phosphate Buffer, 0.87% Sodium chloride Lyophilized from a 0.2 µM filtered solution
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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.

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