

Product datasheet

Recombinant human IL-22 protein (Fc Chimera Active) ab214973

Description

Product name	Recombinant human IL-22 protein (Fc Chimera Active)	
Biological activity	Shows the biological function of the IL-22 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain	
Purity	>= 98 % SDS-PAGE.	
Endotoxin level	< 0.060 Eu/μg	
Expression system	CHO cells	
Accession	Q9GZX6	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	APISSHCRLDKSNFQQPYITNRTFMLAKEASLADNNTDVRL IGEKLFHGV SMSERCYLMKQVLNFTLEEVLPQSDRFQPYMQEVVPFLL ARLSNRLSTCH IEGDDLHIQRNVQKLKDTVKKLGESGEIKAIGELDLLFMSLR NACI	
Predicted molecular weight	17 kDa	
Amino acids	34 to 179	
Additional sequence information	Mature protein, fused to the N-terminus of the Fc region of a mutant human IgG1. (NP_065386.1).	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab214973** 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	Non-lytic: Acts as a long lasting fusion protein which only binds to the receptor. Mutations to the

complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Stable for 12 months at -20°C. Constituent: PBS Lyophilized from 0.2 μm filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute vial with 250 μL sterile water. Working aliquots are stable for up to 3 months when stored at -20°C.

General Info

Function	Cytokine that contributes to the inflammatory response in vivo.
Sequence similarities	Belongs to the IL-10 family.
Cellular localization	Secreted.

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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