

Product datasheet

Recombinant Pig IL-21 protein ab209364

Description

Product name	Recombinant Pig IL-21 protein	
Purity	> 95 % SDS-PAGE. Purified by ion-exchange chromatography.	
Expression system	Yeast	
Accession	Q76LU6	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Pig	
Sequence	HKSSFQGGDRLLIRLRQLIDTVDQLKNYVHDLDPPELLPAPE DVQRHCEQS AFSCFQKVELKSANTGDNEKIINVLIKQLKRKLPPTNAGRR QKHGLTCPT CDSYEKKPIKEFLERLKSILQKMIHQHLS	
Predicted molecular weight	15 kDa	
Amino acids	18 to 146	
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab209364** 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
Form	Lyophilized
Additional notes	<p>ab209364 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified. It can be used in cell culture, as an IL-21 ELISA Standard, and as a Western Blot Control.</p> <p>Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycle.</p>

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
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Constituents: 90% PBS, 10% Trehalose

Reconstitution

Reconstitute with sterile PBS containing at least 0.1% carrier protein.

General Info

Function

Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation.

Tissue specificity

Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes.

Sequence similarities

Belongs to the IL-15/IL-21 family.

Cellular localization

Secreted.

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.

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