

Product datasheet

Recombinant Mouse IL-21 protein ab93054

1 Image

Description

Product name	Recombinant Mouse IL-21 protein
Purity	> 95 % SDS-PAGE. >95% as determined by: analysis by RP-HPLC reducing and non-reducing SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	MHKSSPQGPD RLLIRLRHLI DIVEQLKIYE NDLDPPELLSA PQDVKGHCEH AAFACFQKAK LKPSNPGNNK TFIIDLVAQL RRRLPARRGG KKQKHIKCP SCDSYEK RTP KEFLERLKW L LQKMIHQHLS
Amino acids	18 to 146

Specifications

Our [Abpromise guarantee](#) covers the use of **ab93054** 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	Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added to the sample for long term storage. Endotoxin level, as measured by the LAL method, is <0.01 ng/µg or <0.1E U/µg.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituent: 0.212% Sodium carbonate
Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be

further diluted into other aqueous solutions.

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.

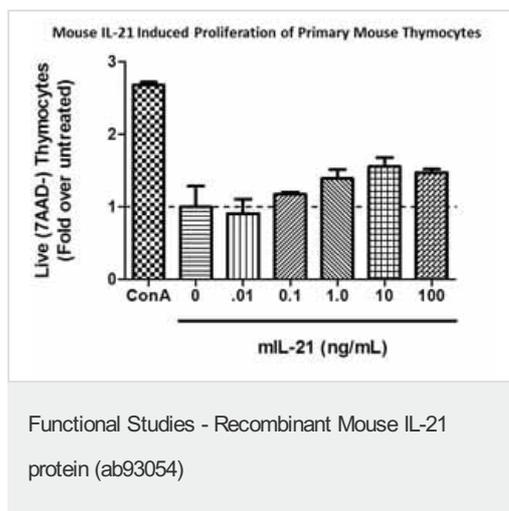
Sequence similarities

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

Cellular localization

Secreted.

Images



ab93054 used in Functional Studies.

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