

Product datasheet

Recombinant mouse IL-7 protein ab200254

Description

Product name	Recombinant mouse IL-7 protein
Biological activity	The ED ₅₀ determined by a cell proliferation assay using murine 2E8 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 10 ⁶ IU/mg.
Purity	> 96 % SDS-PAGE. Purity: >96% by SDS-PAGE and HPLC analyses.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	P10168
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	ECHIKDKEGK AYESVLMISI DELDKMTGTD SNCPNNEPNF FRKHVCD DTK EAAFLNRAAR KLKQFLKMNI SEEFNVHLLT VSQGTQTLVN CTSKEEKNVK EQKKNDACFL KRLLEIKTC WNKILKGS
Predicted molecular weight	15 kDa
Amino acids	26 to 154
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 **ab200254** 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 HPLC
Form	Lyophilised

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C.

pH: 7.4

Constituents: 98% PBS, 2% Trehalose

Lyophilized from a 0.2µm filtered concentrated solution

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

General Info**Function**

Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation.

Sequence similarities

Belongs to the IL-7/IL-9 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.

Terms and conditions

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