

## Product datasheet

# Recombinant human IL12 protein ab52086

### Overview

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| <b>Product name</b>   | Recombinant human IL12 protein |
| <b>Protein length</b> | Full length protein            |

### Description

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|---------------|-------------|
| <b>Nature</b> | Recombinant |
| <b>Source</b> | CHO cells   |

### Amino Acid Sequence

|                |       |
|----------------|-------|
| <b>Species</b> | Human |
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### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab52086** in the following tested applications.

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

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| <b>Biological activity</b> | The ED <sub>50</sub> as determined by the induction of IFN- $\gamma$ production from murine splenocytes co-stimulated with IL-12 is <0.1 ng/ml, corresponding to a specific activity of > 1 x 10 <sup>7</sup> units/mg. |
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|---------------------|--------------------------------|
| <b>Applications</b> | SDS-PAGE<br>Functional Studies |
|---------------------|--------------------------------|

|             |             |
|-------------|-------------|
| <b>Form</b> | Lyophilised |
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| <b>Additional notes</b> | The lyophilized human IL-12 is best-stored desiccated below 0°C. Reconstituted IL-12 should be stored at working aliquots at -20°C. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. |
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### Preparation and Storage

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| <b>Stability and Storage</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.<br>Preservative: None<br>Constituents: PBS, pH 7.2-7.4<br>This product is an active protein and may elicit a biological response in vivo, handle with caution. |
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|                       |  |
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| <b>Reconstitution</b> | Centrifuge the vial prior to opening. Reconstitute in 1X PBS (pH 7.2-7.4) to a concentration of 0.2 mg/ml. |
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## General Info

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| <b>Function</b>              | Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC. |
| <b>Sequence similarities</b> | Belongs to the IL-6 superfamily.  |
| <b>Cellular localization</b> | Secreted.   |

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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