

## Product datasheet

# Recombinant mouse IL-10 protein ab9736

### 1 References

#### Description

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<b>Product name</b>	Recombinant mouse IL-10 protein
<b>Purity</b>	> 98 % SDS-PAGE. Sterile filtered Greater than 98% pure by HPLC analyses. Endotoxin level is less than 0.1 ng per g (1EU/g).
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Mouse
<b>Sequence</b>	Interleukin-10 (IL-10), originally known as Cytokine Synthesis Inhibitory factor (CSIF), is an 18.7 kDa protein of 160 amino acid residues that shares over 80% sequence homology with the Epstein-Barr Virus protein BCRF1.
<b>Amino acids</b>	18 to 178

#### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab9736** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	The ED <sub>50</sub> , determined by the dose-dependent co-stimulation (with IL-4) of the proliferation of murine MC/9 cells, is < 2.0 ng/ml, corresponding to a specific activity of > 5 x 10 <sup>5</sup> units/mg.

#### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
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**Reconstitution**

Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Note: Allow the reconstituted vial to sit at room temperature for 1 hour before use.

**General Info**

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**Function**

Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.

**Tissue specificity**

Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.

**Sequence similarities**

Belongs to the IL-10 family.

**Cellular localization**

Secreted.

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

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