

Product datasheet

Recombinant human IL-10 protein ab9613

1 References

Description

Product name	Recombinant human IL-10 protein
Biological activity	Determined by the dose-dependent co-stimulation (with human IL-4) of MC/9 cells. The ED₅₀ was found to be ≤ 2.0 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.
Purity	> 98 % SDS-PAGE. Endotoxin level is less than 0.1 ng per g (1EU/g).
Expression system	Escherichia coli
Accession	P22301
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTFQK KDQLDNLLK ESLLDFKGY LGCQALSEMI QFYLEEVMQ AENQDPDIKA HVNSLGENLK TLRLRRLRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N
Predicted molecular weight	19 kDa
Amino acids	19 to 178

Specifications

Our [Abpromise guarantee](#) covers the use of **ab9613** 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
Form	Lyophilized
Additional notes	Lyophilized 4°C, 6 months Lyophilized: Room Temperature, 1 month

Preparation and Storage

Stability and Storage	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.
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team. Centrifuge vial prior to opening. Reconstitute in 5mM Sodium Phosphate, pH 7.2 to 0.1-1.0 mg/ml. Do not vortex. Store at 2°C to 8°C for 1 week, or prepare for extended storage. Extended Storage: Follow reconstitution with further dilution in a buffer containing a carrier protein (example 0.1% BSA). Store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

General Info

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.

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

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