

Datasheet for ABIN6700012

IL-11 Protein[Go to Product page](#)**1** Image

Overview

Quantity:	10 µg
Target:	IL-11 (IL11)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Mouse Interleukin-11 Recombinant Protein
Purification:	Interleukin-11 purity was determined to be greater than 95% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose-dependent proliferation of mouse T11 and is typically less than 2 ng/mL.

Target Details

Target:	IL-11 (IL11)
Alternative Name:	Il11 (IL11 Products)
Background:	Synonyms: AGIF (Adipogenesis Inhibitory Factor), Oprelvekin Background: Interleukin 11 (IL-11) is a pleotropic cytokine closely related to IL-6 in function, but

Target Details

is overall one of the lesser characterized interleukins. In hematopoietic cell populations, IL-11 is thought to induce megakaryocyte differentiation. In non-hematopoietic populations, IL-11 is thought to be able to stimulate hepatic acute-phase proteins. Human IL-11 can stimulate murine cells. Recombinant mouse IL-11 is a non-glycosylated protein, containing 179 amino acids, with a molecular weight of 19.3 kDa.

UniProt: [P47873](#)

Pathways: [JAK-STAT Signaling, Negative Regulation of Hormone Secretion](#)

Application Details

Application Notes: Other: User Optimized
Application_Note: Interleukin-11 Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Interleukin-11 in immunological assays.

Comment: Suggested_Applications: Cellular Assay
Other_Performance_Data:

Restrictions: For Research Use only

Handling

Format: Lyophilized

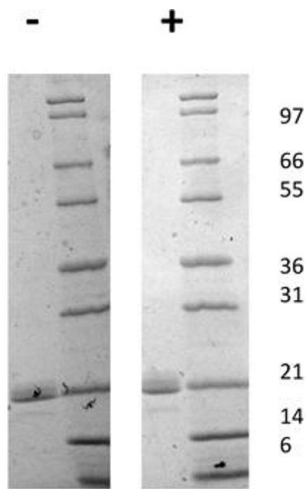
Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 10 µL (10-100 µL)

Buffer: Buffer: 0.1 % Trifluoroacetic acid
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.



SDS-PAGE

Image 1. SDS-PAGE of Mouse Interleukin-11 Recombinant Protein SDS-PAGE of Mouse Interleukin-11 Recombinant Protein. Lane 1: 1 μ g Mouse IL-11 in non-reducing conditions. Lane 2: Molecular weight marker. Lane 3: 1 μ g Mouse IL-11 in reducing conditions (+). Lane 4: Molecular weight marker. Mouse IL-11 has a predicted MW of 19 kDa.