

**Product: Animal Free Recombinant Mouse IL-11**  
**Cat #: 300-833P**  
Powder

Description	<p>Interleukin 11 (IL-11) is a pleotropic cytokine closely related to IL-6 in function, but 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. Alternate names: AGIF (Adipogenesis Inhibitory Factor), oprelvekin</p> <p>This product is produced with no animal-derived raw products, animal free equipment and animal free protocols.</p>
MW	Non-glycosylated protein, containing 179 amino acids, with a molecular weight of 19.3 kDa.
Physical Appearance	Sterile filtered white lyophilized (freeze-dried) powder.
Source	<i>E. coli</i>
Formulation	Recombinant mouse IL-11 is lyophilized with no additives.
Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.
Stability	Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.
Biological Activity	The activity is determined by the dose-dependent proliferation of mouse T11 and is typically less than 2 ng/mL.
Endotoxin Level	Measured by kinetic LAL analysis and is typically $\leq 1$ EU/ $\mu$ g protein.
AA Sequence	MPGPPAGSPR VSSDPRADLD SAVLLTRSLL ADTRQLAAQM RDKFPADGDH SLDSLPTLAM SAGTLGSLQL PGVLTRLRVD LMSYLRHVQW LRRAGGPSLK TLEPELGALQ ARLERLLRRL QLLMSRLALP QAAPDQPVIP LGPPASAWGS IRAAHAILGG LHLLTDWAVR GLLLLKTRL

Purity greater than 98% determined by Reducing and Non-reducing SDS-PAGE.

Protein content determined by Reducing and Non-reducing SDS-PAGE.

**THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!**