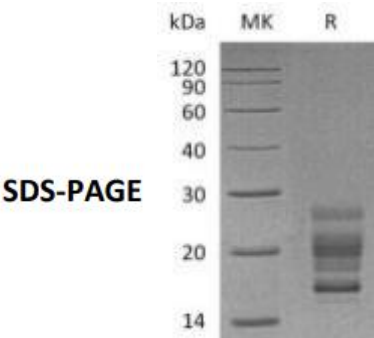


Recombinant Mouse IL-17A

Catalog#:P01621 Derived from Human Cells

DESCRIPTION	<p>Recombinant Mouse Interleukin- 17A is produced by our Mammalian expression system and the target gene encoding Thr22-Ala158 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#: Q62386</p> <p>Known as: Interleukin- 17A; IL- 17; IL- 17A; Cytotoxic T-Lymphocyte-Associated Antigen 8; CTLA-8; IL17A; CTLA8; IL17</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Bioactivity: Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 0.25- 1.25 ng/ml.</p> <p>Mol Mass:16.2kDa AP Mol Mass:17-26kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>Interleukin- 17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL- 17 family in humans and in mice. Mature mouse IL- 17A shares 61% and 89% amino acid sequence identity with human and rat IL- 17A, respectively. As IL- 17 shares properties with IL- 1 and TNF-alpha, it may induce joint inflammation and bone and cartilage destruction. This cytokine is found in synovial fluids of patients with rheumatoid arthritis, and produced by rheumatoid arthritis synovium. It increases IL-6 production, induces collagen degradation and decreases collagen synthesis by synovium and cartilage and proteoglycan synthesis in cartilage. IL-17 is also able to increase bone destruction and reduce its formation. Blocking of interleukin-17 with specific inhibitors provides a protective inhibition of cartilage and bone degradation.</p>
 <p>SDS-PAGE</p>	