

**PrimeGene Technical Data Sheet**

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<b>Catalog Number:</b>	141-17
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 30.0 kDa, a disulfide-linked homodimer of two 133 amino acid polypeptide chains.
<b>Quantity:</b>	5µg/25µg/1000µg
<b>AA Sequence:</b>	AVLIPQSSVC PNAEANNFLQ NVKVNLIKVIN SLSSKASSRR PSDYLNKSTS PWTLARNEDP DRYPSVIWEA QCRHQRCVNA EGKLDHHMNS VLIQQEILVL KREPEKCPFT FRVEKMLVGV GCTCVSSIVR HAS
<b>Purity:</b>	> 95 % by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by inducing IL-6 secretion of murine NIH/3T3 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 <sup>6</sup> IU/mg.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 6.5.
<b>Endotoxin:</b>	Less than 0.1 EU/µg of rRtIL-17A as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 4 mM HCl to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>

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***Rat Interleukin-17A***

IL-17A, also named CTLA8 and IL17, is belonging to the IL-17 family and is encoded by the IL-17A gene in humans. The IL-17 family is comprised of at least six proinflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases, and can stimulate the expression of IL-6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17 family members are glycoproteins secreted as dimers that induce local cytokine production and recruit granulocytes to sites of inflammation.