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# Recombinant Mouse IL-17A protein (His Tag)



Catalog Number: Eg0624

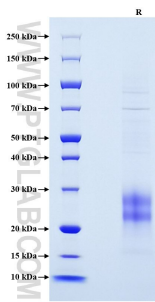
| Basic Information        | Species:<br>Mouse  | Purity:<br>>90 %, SDS-PAGE | Tag:<br>His Tag |
|--------------------------|--|----------------------------|-----------------|
| Technical Specifications | <p><b>Purity:</b><br/>&gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b><br/>&lt;0.1 EU/μg protein, LAL method</p> <p><b>Source:</b><br/>HEK293-derived Mouse IL-17A protein Ala26-Ala158 (Accession# Q62386) with a His tag at the C-terminus.</p> <p><b>GeneID:</b><br/>16171</p> <p><b>Accession:</b><br/>Q62386</p> <p><b>Predicted Molecular Mass:</b><br/>19.1 kDa</p> <p><b>SDS-PAGE:</b><br/>22-29 kDa, reducing (R) conditions</p> <p><b>Formulation:</b><br/>Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>   |                            |                 |
| Biological Activity      | Not tested   |                            |                 |
| Storage and Shipping     | <p><b>Storage:</b><br/>It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b><br/>The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>  |                            |                 |
| Reconstitution           | Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.  |                            |                 |
| Background               | <p>IL17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased.</p> |                            |                 |
| References               | <ol style="list-style-type: none"><li>1. T. Mabuchi. et al. (2012). J Dermatol Sci. 65: 4-11.</li><li>2. X. Song. et al. (2013). Cytokine. 62: 175-182.</li><li>3. E. Fitch. et al. (2007). Curr Rheumatol Rep. 9: 461-467.</li><li>4. provided by RefSeq, Jul 2008.</li></ol>   |                            |                 |
| Synonyms                 | IL17a, IL-17a, IL 17A, IL17, interleukin 17A   |                            |                 |

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Mouse IL-17A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.