



Interleukin-17, His Tag, human recombinant (rHuIL-17-His)

Catalog No: 97276
Lot No: XXXXX
Source: *E. coli*
Synonyms: CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8, IL17A

Background

IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 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 IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

Description

Interleukin-17A human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 132 amino acids (24-155) and having a molecular weight of 19.62 kDa. IL17A is fused with a 4.5 kDa N-terminal hexahistidine tag and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

The Interleukin-17 protein solution (0.171 mg/ml) is supplied in 25 mM Na-acetate pH 4.8 and 50% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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