## **PRODUCT INFORMATION**

**Expression system** Baculovirus

**Domain** 26-158aa

**UniProt No.** Q62386

NCBI Accession No. NP\_034682.1

Alternative Names Interleukin 17A, Cytotoxic T-lymphocyte-associated antigen 8, CTLA-8, Ctla-8, II17, IL-17A

# **PRODUCT SPECIFICATION**

Molecular Weight 16kDa (141aa)

**Concentration** 0.5mg/ml (determined by absorbance at 280nm)

#### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### Purity

> 95% by SDS-PAGE

**Endotoxin level** < 1 EU per 1ug of protein (determined by LAL method)

**Tag** His-Tag

Application SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### BACKGROUND

#### Description

IL17A, also known as Interleukin-17A, plays an important role in anti-microbial and chronic inflammation. Mature human IL17A shares 60% amino acid sequence identity with mouse and rat IL17A. It promotes protective mucosal and epidermal inflammation in response to microbial infection and induces chemokine production, neutrophil influx, and the production of antibacterial peptides. Recombinant mouse IL17A, fused to His-tag at C-



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terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

AAIIPQSSAC PNTEAKDFLQ NVKVNLKVFN SLGAKVSSRR PSDYLNRSTS PWTLHRNEDP DRYPSVIWEA QCRHQRCVNA EGKLDHHMNS VLIQQEILVL KREPESCPFT FRVEKMLVGV GCTCVASIVR QAA<LEHHHHH H>

#### **General References**

Yao Z., et al. (1995) J. Immunol. 155:5483-5436. Kennedy J., et al. (1996) J. Interferon Cytokine Res. 16:611-617.

### DATA

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.