

## General Information

### Protein Construction

A DNA sequence encoding the Marmoset IL17A (ABQ09496.1) (Ile20-Ala155) was expressed and purified with an initial Met.

### Organism

Marmoset

### Expression Host

E. coli

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Marmoset IL17A (cat: 502804) at 10 µg/mL (100 µl/well) can bind human IL17Ra (Cat:503306), The EC<sub>50</sub> of human IL17Ra (Cat:503306) is 8.5-20.0 ng/mL.

2. Measured by its ability to induce IL-6 secretion by HFF human foreskin fibroblast cells. The ED<sub>50</sub> for this effect is typically 2.95-11.8 ng/mL.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant Marmoset IL17A consists of 135 amino acids and has a calculated molecular mass of 15.4 kDa. It migrates as an 17 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

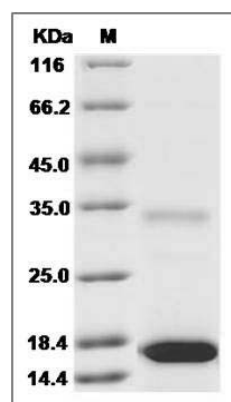
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Marmoset IL17 / IL17A Protein SDS-PAGE