

Recombinant Cynomolgus IL-6 Protein

Catalog No.: RP00793

Sequence Information

Species	Gene ID
Cynomolgus	102138971
Swiss Prot	Tags
P79341	C-6His

Synonyms

IL6, Interleukin-6, IL-6

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW / Observed MW

20.96 kDa 25–35 kDa

Endotoxin

< 0.01 EU per µg of the protein as determined by the LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Interleukin-6 (IL-6) is a multifunctional α-helical cytokine that regulates cell growth and differentiation of various tissues, which is known particularly for its role in the immune response and acute phase reactions. The encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this protein is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis.

Basic Information

Description

Recombinant Cynomolgus IL-6 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (ALa28-Mey212) of Cynomolgus IL-6 (Accession # NP_001274245.1) fused with His tag at the C-Terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

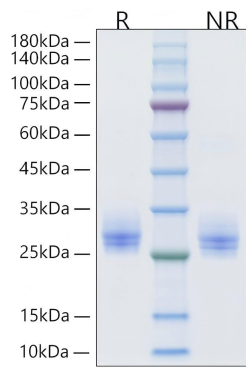
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Validation Data



Recombinant Cynomolgus IL-6 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.