

PRODUCT INFORMATION

IL1A **Target**

Synonyms IL1; IL-1A; IL1F1; IL1-ALPHA; IL-1 alpha

Recombinant human IL1A Protein with C-terminal **Description**

mouse Fc tag

Delivery In Stock **Uniprot ID** P01583 **Expression Host HEK293**

Tag C-mouse Fc tag

Molecular

Background

IL1A(Ser113-Ala271) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL1A-mFc is

approximately 35-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune

responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in

response to cell injury, and thus induces

apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease.

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[provided by RefSeq, Jul 2008]

Usage Research use only Conjugate Unconjugated





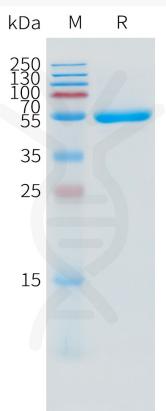
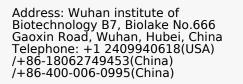


Figure 1. Human IL1A Protein, mFc Tag on SDS-PAGE under reducing condition.



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