

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Target                       | IL1A  |
| Synonyms                     | IL1; IL-1A; IL1F1; IL1-ALPHA; IL-1 alpha  |
| Description                  | Recombinant human IL1A Protein with C-terminal mouse Fc tag   |
| Delivery                     | In Stock  |
| Uniprot ID                   | P01583  |
| Expression Host              | HEK293  |
| Tag                          | C-mouse Fc tag  |
| Molecular Characterization   | IL1A(Ser113-Ala271) mFc(Pro99-Lys330)   |
| Molecular Weight             | The protein has a predicted molecular mass of 44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL1A-mFc is approximately 35-70 kDa due to glycosylation.  |
| Purity                       | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.  |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.  |
| Storage&Shipping             | 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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| Background                   | 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. [provided by RefSeq, Jul 2008] |
| Usage                        | Research use only   |
| Conjugate                    | Unconjugated  |



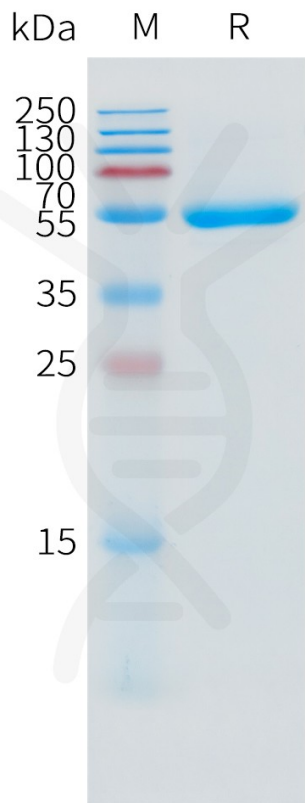


Figure 1. Human IL1A Protein, mFc Tag on SDS-PAGE under reducing condition.

