## PRODUCT INFORMATION

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|---|---|
| **Target** | LY6E |
| **Synonyms** | RIGE; SCA2; RIG-E; SCA-2; TSA-1 |
| **Description** | Recombinant human LY6E Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | Q16553 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc tag |
| **Molecular Characterization** | LY6E(Leu21-Phe100) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 34.5 kDa after removal of the signal peptide. |
| **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** | This gene belongs to the human Ly6 gene family and encodes a glycosylphosphatidyl-inositol (GPI)-anchored cell surface protein. The protein plays an important role in T cell physiology, oncogenesis and immunological regulation. The protein is also involved in modulation of viral infection by coronaviruses, SARS-CoV, MERS-CoV and SARS-CoV-2. [provided by RefSeq, Aug 2021] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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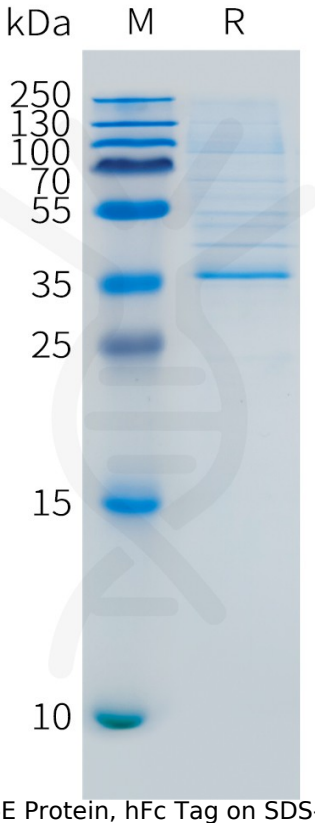



Figure 1. Human LY6E Protein, hFc Tag on SDS-PAGE under reducing condition.

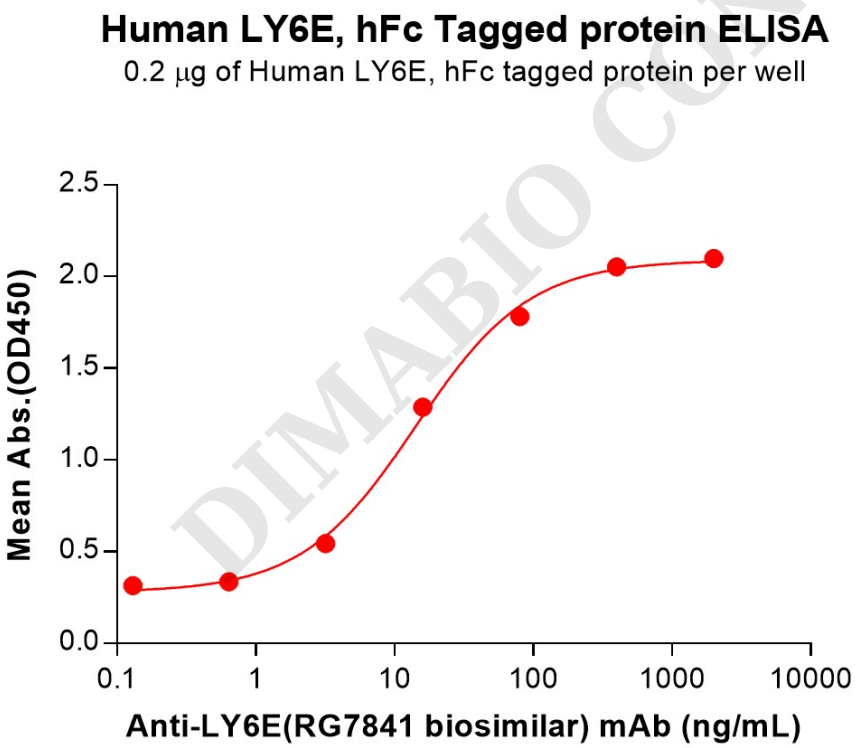



Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human LY6E Protein, hFc Tag (PME101539) can bind Anti-LY6E(RG7841 biosimilar) mAb (BME100224) in a linear range of 3.20–80 ng/mL.

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