

PRODUCT INFORMATION

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| Target | FCGR1 |
| Synonyms | FCRN; Fcγ1R; α-chain |
| Description | Recombinant human FCGR1 Protein with C-terminal 10×His tag |
| Delivery | In Stock |
| Uniprot ID | P55899 |
| Expression Host | HEK293 |
| Tag | C-10×His tag |
| Molecular Characterization | FCGR1(Ala24-Ser297) 10×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 31.7 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 85% 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 encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009] |
| Usage | Research use only |
| Conjugate | Unconjugated |



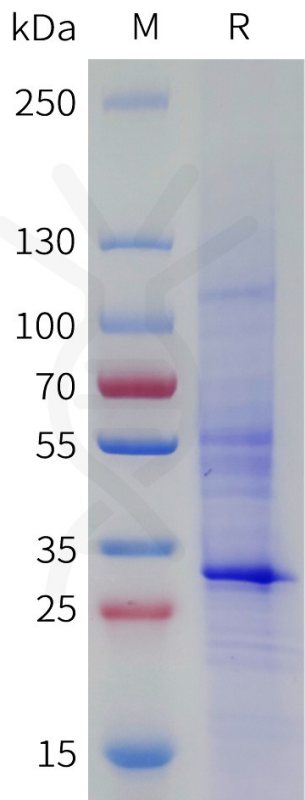
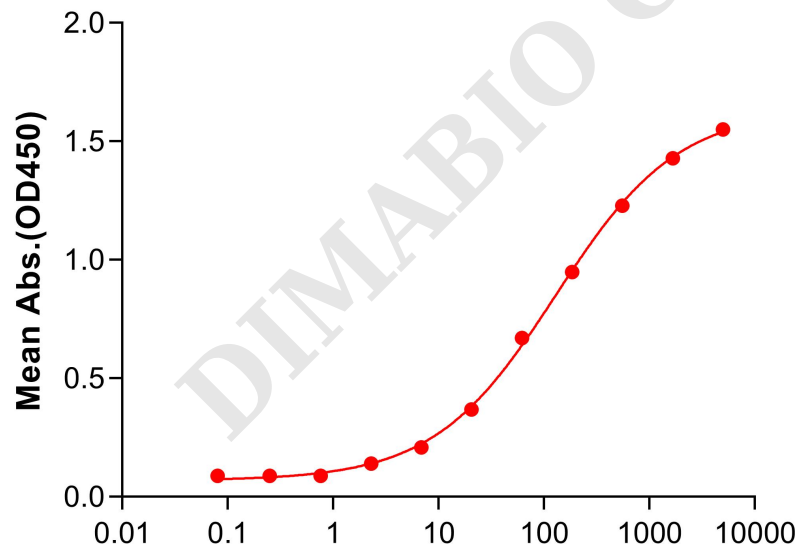


Figure 1. Human FCGRT Protein, His Tag on SDS-PAGE under reducing condition.

Human FCGRT, His Tagged protein ELISA

0.2 µg of Human FCGRT, His tagged protein per well



Anti-FCGRT(rozanolixizumab biosimilar) mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human FCGRT Protein, His Tag (PME101795) can bind Anti-FCGRT(rozanolixizumab biosimilar) mAb (BME100658) in a linear range of 20.58-185.19 ng/mL.

