

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Target                       | FGF21   |
| Synonyms                     | Fibroblast growth factor 21, FGF-21   |
| Description                  | Recombinant human FGF21 Protein with C-terminal 10×His tag  |
| Delivery                     | In Stock  |
| Uniprot ID                   | Q9NSA1  |
| Expression Host              | HEK293  |
| Tag                          | C-10×His tag  |
| Molecular Characterization   | FGF21(His29-Ser209) 10×His tag  |
| Molecular Weight             | The protein has a predicted molecular mass of 20.8 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 member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. This protein is a secreted endocrine factor that functions as a major metabolic regulator. The encoded protein stimulates the uptake of glucose in adipose tissue. [provided by RefSeq, Mar 2016] |
| Usage                        | Research use only   |
| Conjugate                    | Unconjugated  |



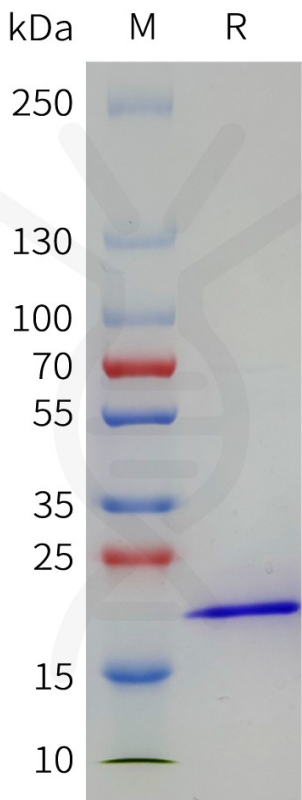
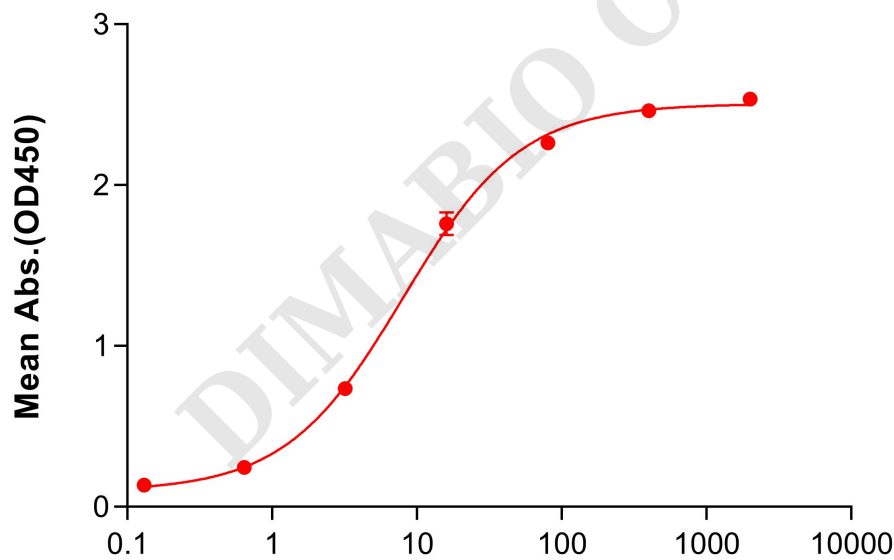


Figure 1. Human FGF21 Protein, His Tag on SDS-PAGE under reducing condition.

**Human FGF21, His Tagged protein ELISA**  
0.2  $\mu$ g of Human FGF21, His tagged protein per well



**Anti-FGF21 antibody(19H8), IgG1 Chimeric mAb (ng/mL)**

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human FGF21 Protein, His Tag (PME101791) can bind Anti-FGF21 antibody(19H8), IgG1 Chimeric mAb (DMC101231) in a linear range of 3.2-16 ng/mL.

