

## 37-1269: Human FGF21 Recombinant Protein (His Tag)(Discontinued)

**Reactivity :** Human  
**Alternative Name :** UNQ3115 / PRO10196 Protein,

### Description

#### Source : E. coli

Fibroblast growth factor 21 (FGF21) is 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 including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-21 has a hydrophobic amino terminus, which is a typical signal sequence, and appears to be a secreted protein. The metabolic regulator fibroblast growth factor 21 (FGF21) has antidiabetic properties in animal models of diabetes and obesity. FGF21 is a novel adipokine associated with obesity-related metabolic complications in humans. The paradoxical increase of serum FGF21 in obese individuals, which may be explained by a compensatory response or resistance to FGF21, warrants further investigation. FGF-21, which we have identified as a novel metabolic factor, exhibits the therapeutic characteristics necessary for an effective treatment of diabetes.

### Product Info

**Amount :** Human FGF21 Recombinant Protein (His Tag)(Discontinued) / 50 µg  
**Purification :** > 95 % as determined by SDS-PAGE  
**Content :** Formulation Lyophilized from 50 mM Tris, 10 % glycerol, 0.05 % Brij 35, pH 8.0  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  
**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  
**Amino Acid :** His29-Ser209

### Application Note

Measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.1 Åµg/mL in the presence of 2.5 Åµg/mL of rmKlotho beta.  
Other pack size also available.

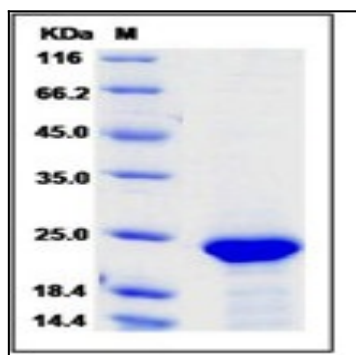


Fig 1: Human FGF21 Recombinant Protein (His Tag)

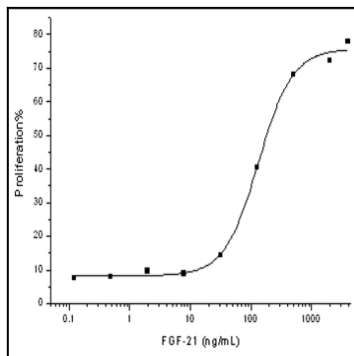


Fig 2: Human FGF21 Recombinant Protein (His Tag) measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast cells.