


## Mouse FGF21 protein, His Tag

Cat #: PRP100415

Size: 50µg/1mg

### Product Information

	<b>Product Name:</b> Mouse FGF21 protein, His Tag		
<b>REF</b>	<b>Catalog Number:</b> PRP100415	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 85 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> Human Cells
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** 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.

**Sequence:** Amino acid sequence derived from mouse FGF21 (Q9JJN1) (Met 1-Ser 210) was expressed, with a polyhistidine tag at the C-terminus.

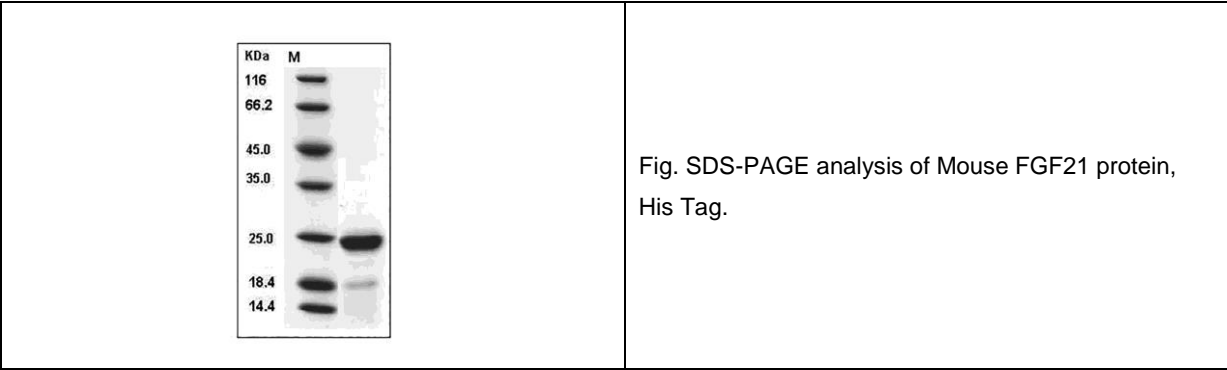
**Protein length:** The secreted recombinant mouse FGF21 consists of 193 amino acids and has a calculated molecular mass of 21.3 kDa. As a result of glycosylation, the apparent molecular mass of rm FGF21 is approximately 25 kDa in SDS-PAGE under reducing conditions.

**Formulation:** Lyophilized from sterile PBS, pH 7.4.

**Storage Instructions:** Lyophilized Mouse FGF21 protein, His Tag product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse FGF21

protein, His Tag in sterile ddH<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.