

Biotinylated Recombinant Mouse GFR alpha-like /GFRAL Protein

Catalog No.: RP02212B

Sequence Information

Species	Gene ID
Mouse	404194
Swiss Prot	Tags
Q6SJE0-1	N-His&Avi

Synonyms

GFR alpha-like; GFRAL; GRAL;
C6orf144

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
40.1 kDa	48-60 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

GFR alpha -like (GDNF receptor-alpha-like) is a distant member of the GDNFR family of proteins. Mature human GFR alpha-like is a 376 amino acid (aa) type I transmembrane protein. It contains a 333 aa extracellular domain, a 20 aa transmembrane domain and a 23 aa cytoplasmic domain. GFRAL is a brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses.

Basic Information

Description

Biotinylated Recombinant Mouse GFR alpha-like/GFRAL Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln20-Glu350) of Mouse GFR alpha-like/GFRAL fused with a His and Avi tag at the N-terminal.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

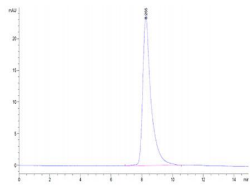
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

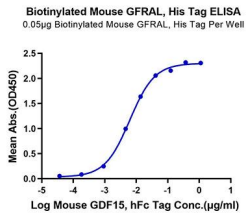
Contact

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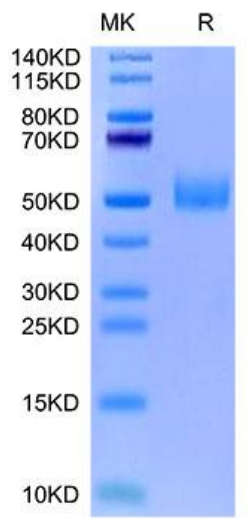
Validation Data



The purity of Biotinylated Mouse GFRAL is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Mouse GFRAL, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Mouse GDF15, hFc Tag with the EC₅₀ of 6.2ng/ml determined by ELISA.



Biotinylated Recombinant Mouse GFR alpha-like/GFRAL Protein was determined by Tris-Bis PAGE under reducing conditions.