

Recombinant Mouse GFR alpha-like/GFRAL Protein

Catalog No.: RP02212

Sequence Information

Species **Gene ID**
Mouse 404194

Swiss Prot **Tags**
Q6SJE0 N-His

Synonyms

GFR alpha-like, GFRAL, GRAL,
C6orf144, Gfral

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 0.22μm filtered
solution in PBS (pH 7.4). Normally
5 % trehalose is added as
protectant before lyophilization.

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

Recombinant Mouse GFR alpha-like/GFRAL Protein is produced by mammalian expression system. The target protein is expressed with sequence (Gln20-Glu350) of Mouse GFR alpha-like/GFRAL (Accession #) fused with a His 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.

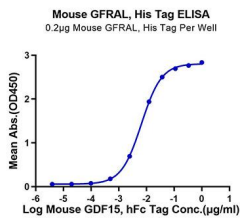
Contact

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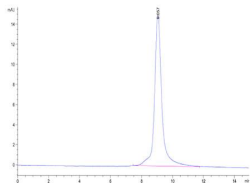
✉ | cn.market@abclonal.com.cn

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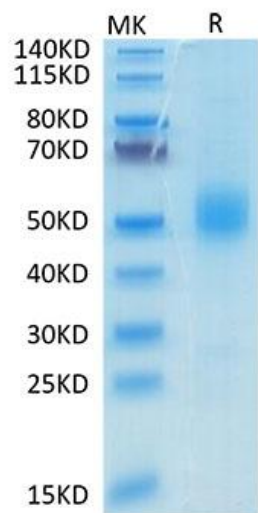
Validation Data



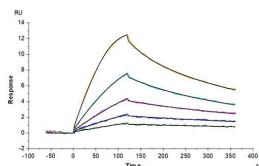
Immobilized Mouse GFRAL, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Mouse GDF15, hFc Tag with the EC₅₀ of 6.5ng/ml determined by ELISA.



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



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



Mouse GFRAL, His Tag immobilized on CM5 Chip can bind Mouse GDF15, His Tag with an affinity constant of 0.34 nM as determined in SPR assay (Biacore T200).