

Datasheet for ABIN7274739
GFRAL Protein (His-Avi Tag)

5 Images

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Overview

Quantity:	100 µg
Target:	GFRAL
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFRAL protein is labelled with His-Avi Tag.

Product Details

Sequence:	Gln20-Glu350
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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 affinity constant of 0.34 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	GFRAL
Alternative Name:	GFRAL (GFRAL Products)
Background:	GFR alpha-like, GFRAL, GRAL, C6orf144, 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

Target Details

(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.

Molecular Weight: 40.1 kDa. Due to glycosylation, the protein migrates to 48-60 kDa based on Tris-Bis PAGE result.

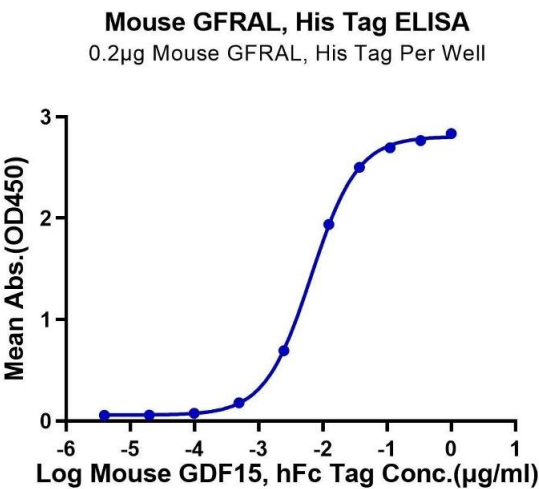
Application Details

Restrictions: For Research Use only

Handling

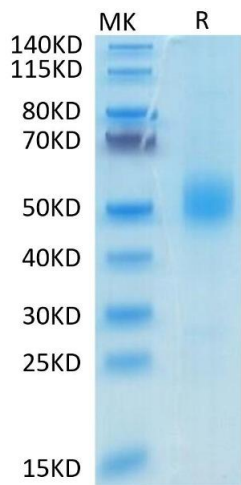
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



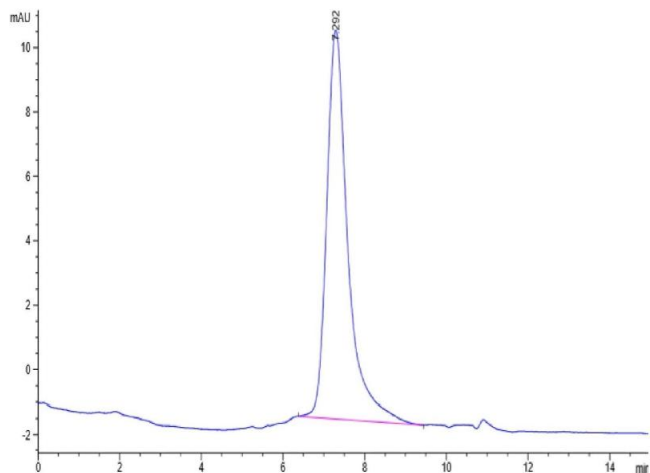
ELISA

Image 1. Immobilized Mouse GFRAL, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Mouse GDF15, hFc Tag with the EC50 of 6.5 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Mouse GFRAL on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Mouse GFRAL is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274739.