

Datasheet for ABIN7274735

**GFRAL Protein (AA 20-351) (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	GFRAL
Protein Characteristics:	AA 20-351
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFRAL protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Cynomolgus GFRAL/GFR alpha-like Protein
Sequence:	Gln20-Glu351
Characteristics:	Recombinant Biotinylated Cynomolgus GFRAL/GFR alpha-like Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus.It contains Gln20-Glu351.
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 Cynomolgus GDF15, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus GFRAL, His Tag with the EC50 of 76.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

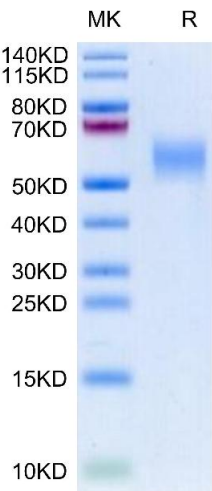
Target:	GFRAL
Alternative Name:	GFRAL ( <a href="#">GFRAL Products</a> )
Background:	<p>GFR alpha -like (GDNF receptor-alpha-like) is a distant member of the GDNFR family of proteins. Mature human GFR alpha-like is a 376 amino acid (aa) type I transmembrane protein. It contains a 333 aa extracellular 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.</p>
Molecular Weight:	40.7 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_015304775</a>

## Application Details

Restrictions:	For Research Use only
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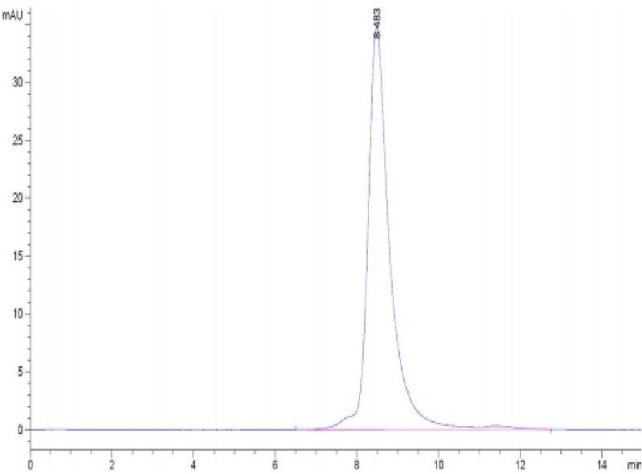
## Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 20 mM PB, 400 mM NaCl ( pH 6.0).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

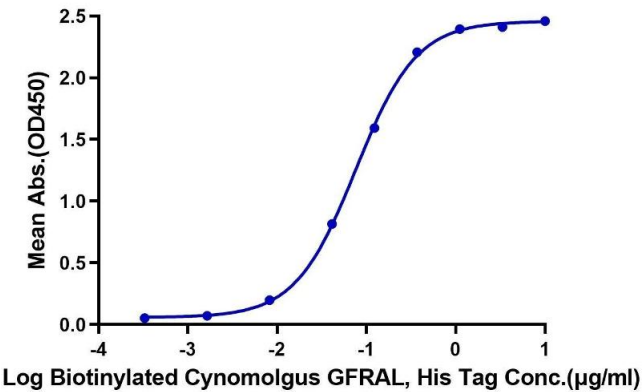
**Image 1.** Biotinylated Cynomolgus GFRAL on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Cynomolgus GFRAL is greater than 95 % as determined by SEC-HPLC.

**Biotinylated Cynomolgus GFRAL, His Tag ELISA**  
0.2µg Cynomolgus GDF15, His Tag Per Well



ELISA

**Image 3.** Immobilized Cynomolgus GDF15, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Cynomolgus GFRAL, His Tag with the EC50 of 76.3 ng/mL determined by ELISA.