

Datasheet for ABIN7566159

GFRAL Protein (AA 19-351) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GFRAL
Protein Characteristics:	AA 19-351
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GFRAL protein is labelled with Fc Tag.

Product Details

Purpose:	GFRAL (human):Fc (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	The extracellular domain of human GFRAL (aa 19-351) is fused to the N-terminus of the Fc region of human IgG1.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<1EU/mg purified protein (LAL test, Lonza).
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.

Target Details

Target:	GFRAL
Alternative Name:	GFRAL (GFRAL Products)
Background:	<p>GDNF Family Receptor alpha-like, Gral, Glial Cellline-derived Neurotrophic Factor Receptor alpha-like, GFR alpha-like, C6orf144</p> <p>GFRAL (GDNF receptor alpha-like) is a distant member of the GDNFR family of proteins. Human GFR alpha-like contains a 333aa extracellular domain, a 20aa transmembrane domain and a 23aa cytoplasmic domain. Over the extracellular domain, human GFRAL shares 72 % and 71 % identity with mouse and rat GFRAL, respectively. It is expressed on both fetal and adult hindbrain neurons of the CNS and functions as an anti-apoptotic molecule during neuronal stress. GFRAL is a functional receptor for GDF15, facilitating weight-loss functions of the protein through c-Ret downstream signaling. GFRAL and GDF15 signaling is implicated in diet-based obesity and insulin resistance.</p>
Molecular Weight:	~50-100kDa
NCBI Accession:	NP_997293

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C, -20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.</p>