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Datasheet for ABIN7092777 GFRAL Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant human GFRAL protein with C-terminal 6xHis tag
Specificity:	GFRAL (Ser19-Glu351) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GFRAL
Alternative Name:	GFRAL (GFRAL Products)
Background:	Synonyms: bA360D14.1 Description: Brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses

Target Details

(PubMed:28953886, PubMed:28846097, PubMed:28846098, PubMed:28846099). Upon interaction with its ligand, GDF15, interacts with RET and induces cellular signaling through activation of MAPK- and AKT- signaling pathways.[UniProtKB/Swiss-Prot Function]

Molecular Weight: predicted molecular mass of 38.6 kDa after removal of the signal peptide. The apparent molecular mass of GFRAL-His is 35-55 kDa due to glycosylation.

UniProt: [Q6UXV0](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months