

GFRAL Protein, Mouse (HEK293, His-Avi)

Cat. No.:	HY-P77947
Synonyms:	GFR alpha-like; GFRAL; GRAL; C6orf144
Species:	Mouse
Source:	HEK293
Accession:	Q6SJE0 (Q20-E350)
Gene ID:	404194
Molecular Weight:	48-60 kDa

PROPERTIES

Biological Activity	Immobilized Mouse GFRAL, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Mouse GDF15, hFc Tag with the EC ₅₀ of 6.5ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	GFRAL protein is a brainstem-restricted receptor that plays a crucial role in regulating food intake, energy expenditure, and body weight in response to metabolic and toxin-induced stresses. Upon binding with its ligand, GDF15, GFRAL interacts with RET and activates MAPK- and AKT- signaling pathways. GFRAL interacts with GDF15 and RET through its extracellular domain, acting as a receptor for GDF15 and mediating cellular signaling through the interaction with RET after GDF15 binding. It is important to note that the interaction with RET requires previous GDF15 binding.
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Caution: Product has not been fully validated for medical applications. For research use only.

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