

GFRAL recombinant protein

Recombinant Human GFRAL Protein (His Tag), HPLC-verified

CATALOG #
AAA259210

HOST
HEK293 Cells

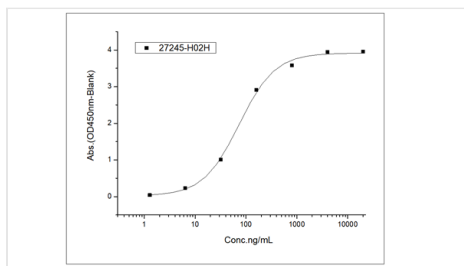
PRODUCT SYNONYMS

GFRAL; Recombinant Human GFRAL Protein (His Tag); HPLC-verified; bA360D14.1 Protein; Human; C6orf144 Protein; GRAL Protein; UNQ9356 Protein; UNQ9356/PRO34128 Protein; GFRAL recombinant protein

PRODUCT SPECIFICATIONS

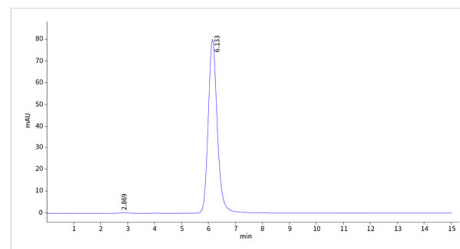
Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Human
Predicted N Terminal	Ser 19
Endotoxin	<1.0 EU per ug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human GFRAL (NP_997293.2)(Ser19-Glu351) was expressed with a polyhistidine tag at the C-terminus.
Activity	Immobilized Recombinant Human GFRAL Protein (His Tag)(Mature Form) at 2 ug/mL (100 uL/well) can bind Recombinant Human GDF-15 Protein (Fc Tag) , the EC50 is 35-120 ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES

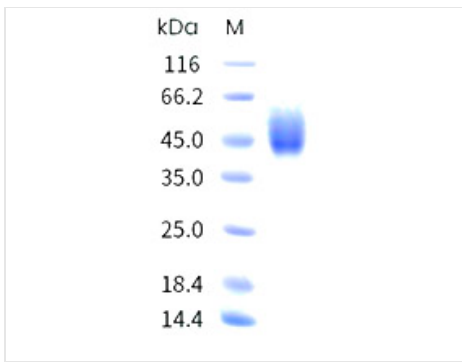


Application Data

Immobilized Recombinant Human GFRAL Protein (His Tag) (Mature Form) (#AAA259210) at 2 ug/mL (100 uL/well) can bind Recombinant Human GDF-15 Protein (Fc Tag) (Cat: 10936-H01H), the EC50 is 35-120 ng/mL.



Application Data



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ADDITIONAL INFORMATION

Related Product Information for GFRAL recombinant protein

Macrophage inhibitory cytokine-1/growth differentiation factor 15 (MIC-1/GDF15) is a divergent transforming growth factor (TGFβ) superfamily cytokine implicated in biological and disease processes including metabolism, cancer, and chronic inflammation. GDNF family receptor alpha-like (GFRAL) was recently identified as the neuronal brainstem receptor responsible for mediating the anorectic actions of GDF15. Growth differentiation factor-15 (GDF15) is a circulating protein that has been implicated in multiple biological processes, including energy homeostasis, body weight regulation, and cachexia driven by cancer and chronic disease.

NCBI AND UNIPROT INFORMATION

Molecular Weight

The recombinant Human GFRAL consisting of 344 amino acids and has a calculated molecular mass of 39.25 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 45.2 kDa protein in SDS-PAGE under reducing conditions.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gfral-recombinant-protein-hek293-cells/259210>