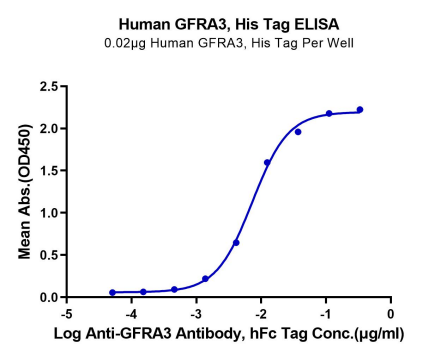
Bioactive HuPro®

GFRA3 (Human) Recombinant Protein

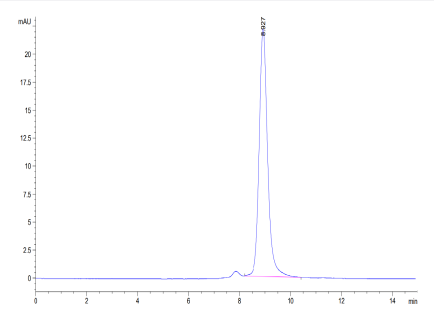
Catalog # P9825 Size 100 ug

Applications



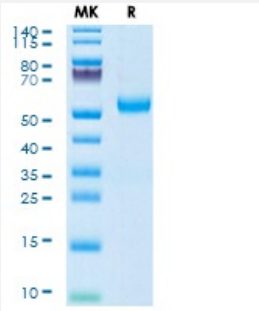
Enzyme-linked Immunoabsorbent Assay

Immobilized Human GFRA3, His Tag at 0.2 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-GFRA3 Antibody, hFc Tag with the EC50 of 7.3 ng/mL determined by ELISA (QC Test).



SEC-HPLC

The purity of Human GFRA3 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human GFRA3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

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Product Description	Human GFRA3 (O60609-1, Asp32-Trp382) partial recombinant protein with His tag at C-Terminus e xpressed in HEK293 cells.
Sequence	Asp32-Trp382
Host	Human
Theoretical MW (kDa)	40.3
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 7.3 ng/mL, messured by ELISA at 0.2 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human GFRA3 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human GFRA3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human GFRA3, His Tag at 0.2 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-GFRA3 Antibody, hFc Tag with the EC50 of 7.3 ng/mL determined by ELISA (QC Test).
- SDS-PAGE

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Gene Info — GFRA3

Entrez GeneID	2676
Protein Accession#	O60609-1
Gene Name	GFRA3
Gene Alias	-
Gene Description	GDNF family receptor alpha 3
Omim ID	605710
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a glycosylphosphatidylinositol(GPI)-linked cell surface recept or and a member of the GDNF receptor family. It forms a signaling receptor complex with RET tyr osine kinase receptor and binds the ligand, artemin. [provided by RefSeq
Other Designations	GPI-linked receptor|glial cell line-derived neurotrophic factor receptor alpha-3

Disease

- Carcinoma
- Hirschsprung Disease
- Schizophrenia
- Thyroid Neoplasms

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