

Bioactive

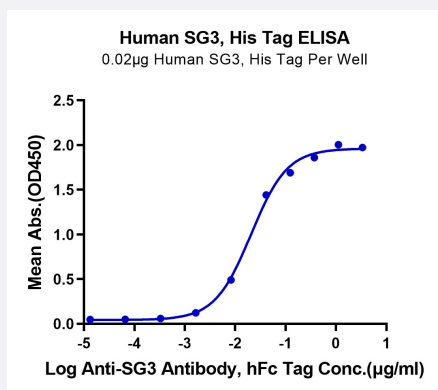
HuPro®

SCG3 (Human) Recombinant Protein

Catalog # P9891

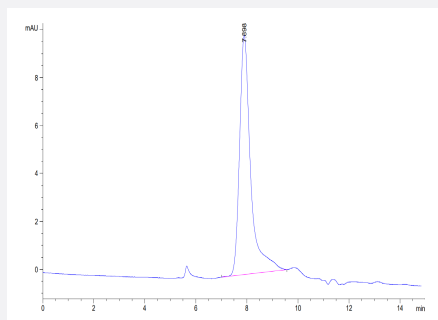
Size 100 ug

Applications



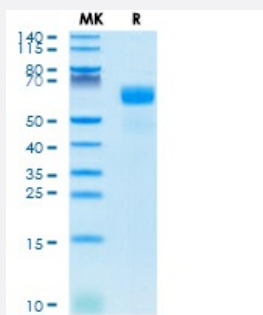
Enzyme-linked Immunoabsorbent Assay

Immobilized Human SG3, His Tag at 0.2 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-SG3 Antibody, hFc Tag with the EC50 of 20.6 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human SG3 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human SG3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human SCG3 (Q8WXD2-1, Phe20-Leu468) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Phe20-Leu468
Host	Human
Theoretical MW (kDa)	52.1
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 20.6 ng/mL, measured by ELISA at 0.2 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human SG3 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human SG3 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

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human SG3, His Tag at 0.2 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-SG3 Antibody, hFc Tag with the EC₅₀ of 20.6 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — SCG3

Entrez GeneID [29106](#)**Protein Accession#** [Q8WXD2-1](#)**Gene Name** SCG3**Gene Alias** FLJ90833, SGIII**Gene Description** secretogranin III**Gene Ontology** [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuro endocrine secretory proteins. Granins may serve as precursors for biologically active peptides. Some granins have been shown to function as helper proteins in sorting and proteolytic processing of prohormones; however, the function of this protein is unknown. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations -

Disease

- [Obesity](#)