

Cynomolgus SG3/Secretogranin 3 Protein

Cat. No. SGS-CM101

Description

Source	Recombinant Cynomolgus SG3/Secretogranin 3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe20-Leu468.
Accession	I7G9U8
Molecular Weight	The protein has a predicted MW of 52.14 kDa. Due to glycosylation, the protein migrates to 58-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

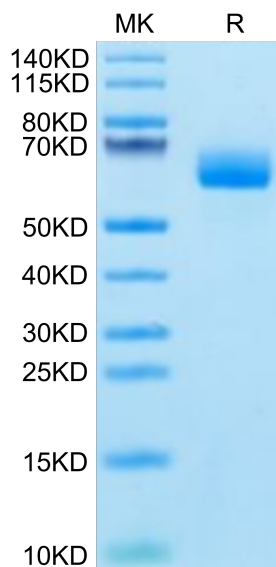
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Secretogranin III (Scg3) is a member of the granin protein family that regulates the biogenesis of secretory granules. Scg3 was recently discovered as an angiogenic factor, expanding its functional role to extrinsic regulation. Unlike many other known angiogenic factors, the pro-angiogenic actions of Scg3 are restricted to pathological conditions. Among thousands of quantified endothelial ligands, Scg3 has the highest binding activity ratio to diabetic vs.

Assay Data

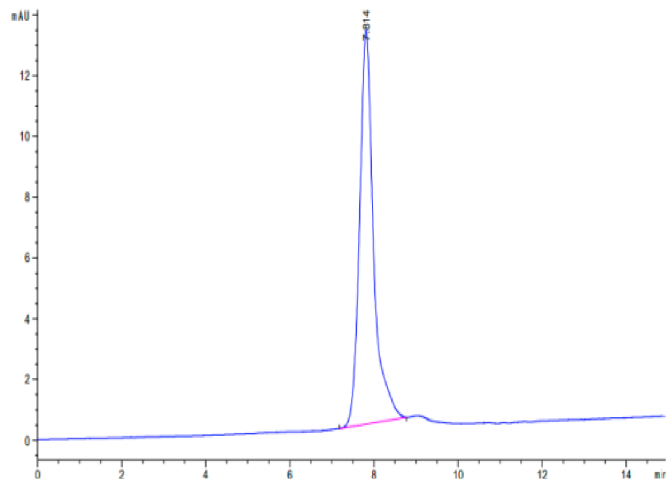
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

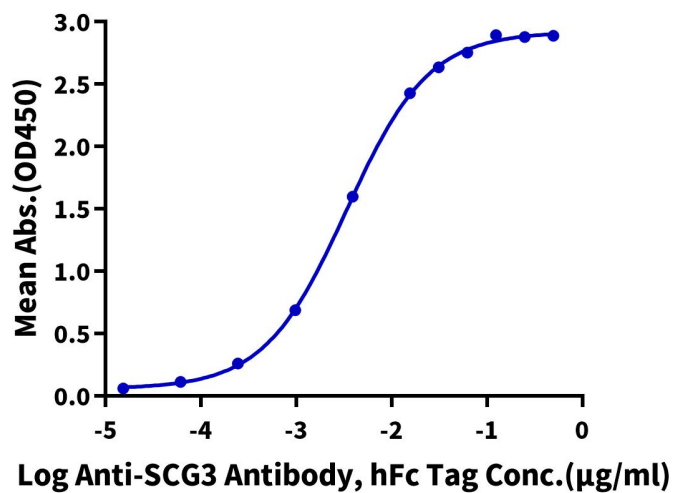


The purity of Cynomolgus SG3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus SG3, His Tag ELISA

0.1µg Cynomolgus SG3, His Tag Per Well



Immobilized Cynomolgus SG3, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-SG3 Antibody, hFc Tag with the EC50 of 3.4ng/ml determined by ELISA.