

Rev02
 Update: Aug,08,2025
DATASHEET

SG3/Secretogranin 3, His, Cynomolgus

Cat. No.: Z04914

Product Introduction

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| Species | Cynomolgus |
| Protein Construction | <div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> SG3/Secretogranin 3 (Phe20-Leu468) Accession # I7G9U8 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div> |
| Purity | > 95% as determined by BisTris PAGE > 95% as determined by HPLC |
| Endotoxin Level | Less than 1EU per µg by the LAL method. |
| Biological Activity | Measured by its binding ability in a functional ELISA. Immobilized SG3/Secretogranin 3, His, Cynomolgus at 1µg/ml (100µl/well) on the plate can bind AntiSG3 Antibody, hFc Tag. Test result was comparable to standard batch. |
| Expression System | HEK293 |
| Theoretical Molecular Weight | 52.14 kDa |
| Apparent Molecular Weight | Due to glycosylation, the protein migrates to 58-70 kDa based on Bis-Tris PAGE result. |
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage & Stability | Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles. |

Background

Target 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.

Synonyms : Secretogranin-3; Secretogranin III; SCG3; SGIII; UNQ2502/PRO5990

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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