

Recombinant Human secretogranin III, His-tagged

Cat. No. SCG3-259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SCG3, 20-468aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	20-468 a.a.
Description	SCG3 is a member of the chromogranin/secretogranin family of neuroendocrine 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. Recombinant human SCG3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	53kDa (472aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSFPPKPGGS QDKSLHNREL SAERPLNEQI AEAEEDKIKK TYPENKPGQ SNYSFVDNLN LLKAITEKEK IEKERQSIRS SPLDNKLNVE DVDSTKNRKL IDDYDSTKSG LDHKFQDDPD GLHQLDGTPL TAEDIVHKIA ARIYEENDRA VFDKIVSKLL NLGLITESQA HTLEDEVAEV LQKLISKEAN NYEEDPNKPT SWTENQAGKI PEKVTPMAAI QDGLAKGEND

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ETVSNTLTLT NGLERRTKTY SEDNFEELQY FPNFYALLKS IDSEKEAKEK
ETLITIMKTL IDFKVMMVKY GTISPEEGVS YLENLDEMIA LQTKNKLEKN
ATDNISKLFAPSEKSHEET DSTKEEAAKM EKEYGSLKDS TKDDNSNPGG
KTDEPKGKTE AYLEAIRKNI EWLKKHDKKG NKEDYDL SKM RDFINKQADA
YVEKGILDKE EAEAIKRIYS SL

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SCG3 secretogranin III [Homo sapiens]

Official Symbol SCG3

Synonyms SCG3; secretogranin III; secretogranin-3; FLJ90833; SGIII;

Gene ID 29106

mRNA Refseq NM_001165257

Protein Refseq NP_001158729

MIM 611796

UniProt ID Q8WXD2

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Chromosome Location	15
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca ²⁺ , organism-specific biosystem;