

## Secretogranin-2 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70134
<b>Synonyms:</b>	rHuSecretogranin-2/SCG2, His; Secretogranin-2; Chromogranin-C; Secretogranin II; SgII.
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P13521 (S29-M617)
<b>Gene ID:</b>	7857
<b>Molecular Weight:</b>	85-95 kDa

### PROPERTIES

#### AA Sequence

S F Q R N Q L L Q K	E P D L R L E N V Q	K F P S P E M I R A	L E Y I E N L R Q Q
A H K E E S S P D Y	N P Y Q G V S V P L	Q Q K E N G D E S H	L P E R D S L S E E
D W M R I I L E A L	R Q A E N E P Q S A	P K E N K P Y A L N	S E K N F P M D M S
D D Y E T Q Q W P E	R K L K H M Q F P P	M Y E E N S R D N P	F K R T N E I V E E
Q Y T P Q S L A T L	E S V F Q E L G K L	T G P N N Q K R E R	M D E E Q K L Y T D
D E D D I Y K A N N	I A Y E D V V G G E	D W N P V E E K I E	S Q T Q E E V R D S
K E N I E K N E Q I	N D E M K R S G Q L	G I Q E E D L R K E	S K D Q L S D D V S
K V I A Y L K R L V	N A A G S G R L Q N	G Q N G E R A T R L	F E K P L D S Q S I
Y Q L I E I S R N L	Q I P P E D L I E M	L K T G E K P N G S	V E P E R E L D L P
V D L D D I S E A D	L D H P D L F Q N R	M L S K S G Y P K T	P G R A G T E A L P
D G L S V E D I L N	L L G M E S A A N Q	K T S Y F P N P Y N	Q E K V L P R L P Y
G A G R S R S N Q L	P K A A W I P H V E	N R Q M A Y E N L N	D K D Q E L G E Y L
A R M L V K Y P E I	I N S N Q V K R V P	G Q G S S E D D L Q	E E E Q I E Q A I K
E H L N Q G S S Q E	T D K L A P V S K R	F P V G P P K N D D	T P N R Q Y W D E D
L L M K V L E Y L N	Q E K A E K G R E H	I A K R A M E N M	

**Appearance** Lyophilized powder.

**Formulation** Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

**Endotoxin Level** <1 EU/µg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

**Storage & Stability** Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

**Shipping** Room temperature in continental US; may vary elsewhere.

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## DESCRIPTION

### Background

Secretogranin-2, a neuroendocrine protein belonging to the granin family, plays a pivotal role in orchestrating the biogenesis of secretory granules. Its regulatory influence is integral to the intricate processes governing the formation and maturation of these specialized cellular compartments. Notably, Secretogranin-2 engages in interactions with Secretogranin III/SCG3, underscoring its participation in dynamic molecular networks that contribute to the finely tuned mechanisms of secretory granule development and function.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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