



Recombinant Human Secretogranin-2 (SCG2)

Product Code	CSB-EP020808HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13521
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	QRNQLLQKEP DLRLNVQKF PSEPIMIRALE YIENLRQQAH KEESPDPYNP YQGVSVPLQQ KENGDESHLP ERDSLSEEDW MRIILEALRQ AENEPQSAPK ENKPYALNSE KNFPMDSDD YETQQWPERK LKHMQFPPMY EENS RDNPFK RTNEIVEEQY TPQSLATLES VFQELGKLTG PNNQKRERMD EEQKLYTDDE DDIYKANNIA YEDVVGEDW NPVEEKIESQ TQEEVRDSKE NIEKNEQIND EMKRSGQLGI QEEDLRKESK DQLSDDVSKV IAYLKRLVNA AGSGRLQNGQ NGERATRLFE KPLDSQSIYQ LIEISRNLIQI PPEDLIEMLK TGEKPNGSVE PERELDLPVD LDDISEADLD HPDLFQNRML SKSGYPKTPG RAGTEALPDG LSVEDILNLL GMESAAQKT SYFPNPYNQE KVLPRLPYGA GRSRSNQLPK AAWIPHVENR QMAYENLNDK DQELGEYLAR MLVKYPEIIN SNQVKRVPQQ GSSEDDLQEE EQIEQAIKEH LNQGSSQETD KLAPVSKRFP VGPPKNDDTP NRQYWDEDLL MKVLEYLNQE KAEKGREHIA KRAMENM
Source	E.coli
Target Names	SCG2
Protein Names	Recommended name: Secretogranin-2 Alternative name(s): Chromogranin-C Secretogranin II Short name= SgII Cleaved into the following chain: 1. Secretoneurin Short name= 2. SN
Expression Region	31-617
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Studies in rodents suggest that the full-length protein, secretogranin II, is involved in the packaging or sorting of peptide hormones and neuropeptides into secretory vesicles. The full-length protein is cleaved to produce the active peptide secretoneurin, which exerts chemotaxic effects on specific cell types, and EM66, whose function is unknown.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.