

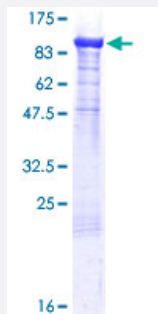
Full-Length

SCG2 (Human) Recombinant Protein (P01)

Catalog # H00007857-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SCG2 full-length ORF (AAH22509.1, 1 a.a. - 617 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEAKTHWLGAALSLIPLIFLISGAEEASFQRNQLQKEPDLRLENVQKFPSPEMIRALEYIENLRQ
QAHKEESSPDYNPYQGVSVPLQQKENGDESHLPERDSLSEEDWMRIILEALRQAENEPQSAPKE
NKPYPALNSEKNFPMDSDDYETQQWPERKLKHMQFPPMYEENS RDNPFKRTNEIVEEQYTPQS
LATLESVFQELGKLTGPNNQKRERMDEEQKLYTDDDDIYKANNIAYEDVVGGEDWNPVEEKIES
QTQEEVRDSKENIEKNEQINDEMKRSGQLGIQEEGLRKESKDQLSDDVSKVIAYLKRLVNAAGSG
RLQNGQNGERATRLFEKPLDSQSIYQLIEISRNLIQPPEDLIEMLKTGEKPNGSVEPERELDLPVDL
DDISEADLDHPDLFQNRMLSKSGYPKTPGGAGTEALPDGLSVEDILNLLGMESAANQKTSYFPNP
YNQEKVLPRLPYGAGRSRSNQLPKAAWIPHVENRQMAYENLNDKDQELGEYLARMLVKYPEIINS
NQVKRVPGQGSSEGLDQEEEQIEQAIKEHLNQGSSQETDKLAPVSKRFPVGPKNDDTPNRQY
WDEDLLMKVLEYLNQEKAIEKGREHIAKRAMENM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.1

Interspecies Antigen Sequence

Mouse (81)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SCG2

Entrez GeneID	7857
GeneBank Accession#	BC022509.1
Protein Accession#	AAH22509.1
Gene Name	SCG2
Gene Alias	CHGC, SN, SgII
Gene Description	secretogranin II (chromogranin C)
Omim ID	118930
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuro endocrine 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. [provided by RefSeq]
Other Designations	Chromogranin C (secretogranin II) EM66 secretogranin II secretoneurin