

Product datasheet for TP305382

Chromogranin C (SCG2) (NM_003469) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human secretogranin II (chromogranin C) (SCG2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205382 protein sequence Red=Cloning site Green=Tags(s)

MAEAKTHWLGAALSLIPLIFLISGAEAAASFQRNQLLQKEPDLRLENVQKFPSPMIRALEYIENLRQQA
KEESSPDYNPYQGVSVPLQKENGDESHLPERDSLSEEDWMRIILEALRQAENEPQSAPKENKPYALNSE
KNFPMDSDDYETQQWPERKCLKHMQFPPMYEENSNDNPFKRTNEIVEEQYTPQSLATLESVFQELGKLT
G
PNNQKRERMDEEQKLYTDEDDIYKANNIAYEDVGGEDWNPVEEKIESQTQEEVRDSKENIEKNEQIND
EMKRSGQLGIQEEGLRKEKDKQLSDDVSKVIAYLKRVLNVAAGSGRLQNGQNGERATRLFEKPLDSQSIYQ
LIEISRNLQIPPEDLIEMLKTGEKPNGSVEPERELDLPVDLDDISEADLDHPDLFQNRMLSKSGYPKTPG
GAGTEALPDGLSVEDILNLLGMESAAANQKTSYFPNPYNQEKVLPRLPYGAGRSRSNQLPKAAWIPHVENR
QMAYENLNDKDKQELGEYLARMLVKYPEIINSNQVKRVPGGQSSEGLDQEEEQIEQAIKEHLNQSSQETD
KLAPVSKRFPVGPKNDDTPNRQYWDEDLLMKVLEYLNQEKAKEKGREHIKRAMENM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

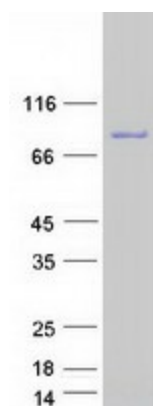
Tag:	C-Myc/DDK
Predicted MW:	70.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Cell treatment (PMID: 26538656)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003460</u>
Locus ID:	7857
UniProt ID:	<u>P13521</u>
RefSeq Size:	2586
Cytogenetics:	2q36.1
RefSeq ORF:	1851
Synonyms:	CHGC; EM66; SgII; SN
Summary:	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Protein Families:	Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified SCG2 protein (Cat# TP305382). The protein was produced from HEK293T cells transfected with SCG2 cDNA clone (Cat# [RC205382]) using MegaTran 2.0 (Cat# [TT210002]).