

RPF859Hu01 10µg

Recombinant Secretogranin II (SCG2)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Gln31~Met617

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: P13521

Host: *E. coli*

Purity: >90%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

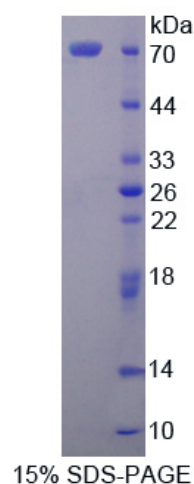
Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 4.7

Predicted Molecular Mass: 71.5kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



[USAGE]

Reconstitute in sterile ddH₂O.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

QRNQLLQKEP DLRLENVQKF PSEPIMIRALE YIENLRQQAHH KEESPDPYNP YQGVSVPLQQ
KENGDESHLP ERDSLSEEDW MRIILEALRQ AENEPQSAPK ENKPYALNSE KNFPMDSDD
YETQQWPERK LKHMQFPPMY EENS RDNPFK RTNEIVEEQY TPQSLATLES VFQELGKLTG
PNNQKRERMD EEQKLYTDDE DDIYKANNIA YEDVVGGEDW NPVEEKIESQ TQEEVRDSKE
NIEKNEQIND EMKRSGQLGI QEEDLRKESK DQLSDDVSKV IAYLKRLVNA AGSGRLQNGQ
NGERATRLFE KPLDSQSIYQ LIEISRNLQI PPEDLIEMLK TGEKPNGSVE PERELDLPVD
LDDISEADLD HPDLFQNRML SKSGYPKTPG RAGTEALPDG LSVEDILNLL GMESAAANQKT
SYFPNPYNQE KVLPRLPYGA GRSRSNQLPK AAWIPHVENR QMAYENLNDK DQELGEYLAR
MLVKYPEIIN SNQVKRVPQG GSSEDDLQEE EQIEQAIKEH LNQGSSQETD KLAPVSKRFP
VGPPKND DTP NRQYWDEDLL MKVLEYLNQE KAEKGREHIA KRAMENM

[REFERENCES]

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2. Leitner B., *et al.* (1998) Neurosci. Lett. 248:105-108.
3. Wu C., *et al.* (2007) Proteomics 7:1775-1785.
4. Yon L., *et al.* (2003) J. Clin. Endocrinol. Metab. 88:2579-2585.