

RPF859Hu01 1mg
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

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Gln31~Met617

Tags: N-terminal His-Tag

Tissue Specificity: Brain.

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 4.7

Predicted Molecular Mass: 71.5kDa

Accurate Molecular Mass: 72kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[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. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

```

                                                                                                                                 QRNQLLQKEP  DLRLENVQKF
PSPMIRALE  YIENLRQQA  H  KEESSPDYNP  YQGVSVPLQQ  KENGDESHLP
ERDSLSEEDW  MRIILEALRQ  AENEPQSAPK  ENKPYALNSE  KNFPMDSDD
YETQQWPERK  LKHMQFPPMY  EENSRDNPFK  RTNEIVEEQY  TPQSLATLES
VFQELGKLTG  PNNQKRERMD  EEQKLYTDE  DDIYKANNIA  YEDVVGGEDW
NPVEEKIESQ  TQEEVRDSKE  NIEKNEQIND  EMKRSGQLGI  QEEDLRKESK
DQLSDDVSKV  IAYLKRLVNA  AGSGRLQNGQ  NGERATRLFE  KPLDSQSIYQ
LIEISRNLQI  PPEDLIEMLK  TGEKPNGSVE  PERELDLPVD  LDDISEADLD
HPDLFQNRML  SKSGYPKTPG  RAGTEALPDG  LSVEDILNLL  GMESAAHQKT
SYFPNPYNQE  KVLPRLPYGA  GRSRSNQLPK  AAWIPHVENR  QMAYENLNDK
DQELGEYLAR  MLVKYPEIIN  SNQVKRVPGQ  GSSEDDLQEE  EQIEQAIKEH
LNQGSSETD  KLAPVSKRFP  VGPPKNDTTP  NRQYWDEDLL  MKVLEYLNQE
KAEKGREHIA  KRAMENM
    
```

[IDENTIFICATION]

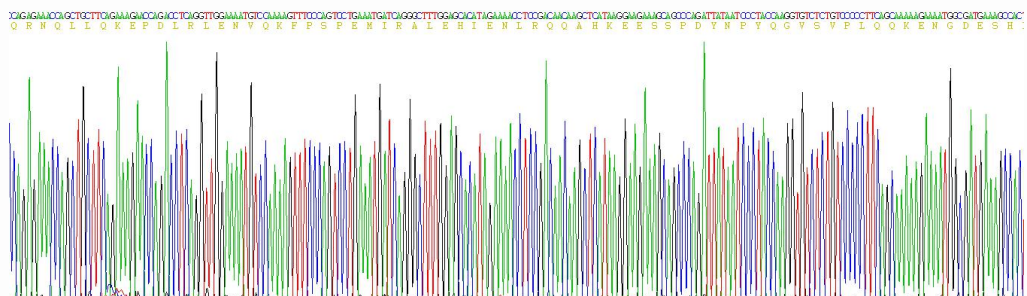


Figure 1. Gene Sequencing (Extract)

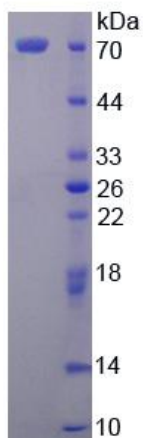


Figure 2. SDS-PAGE