

EPF859Hu61 100µg

Eukaryotic Secretogranin II (SCG2)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Eukaryotic expression

Host: 293F cell

Residues: Gln31~Met617

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 150µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

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

Predicted isoelectric point: 4.7

Predicted Molecular Mass: 69.4kDa

Accurate Molecular Mass: 80kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affect the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[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	KEESSPDYNP	YQGVSVPLQQ	KENGDESHLP
ERDSLSEEDW	MRIILEALRQ	AENEPQSAPK	ENKPYALNSE	KNFPMDMSDD
YETQQWPERK	LKHMQFPPMY	EENSRDNPFK	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	GMESAAHQKT
SYFNPYNQE	KVLPRLPYGA	GRSRSNQLPK	AAWIPHVENR	QMAYENLNDK
DQELGEYLAR	MLVKYPEIIN	SNQVKRVPGQ	GSEDDLQEE	EQIEQAIKEH
LNQGSSQETD	KLAPVSKRFP	VGPPKNDDTP	NRQYWDEDLL	MKVLEYLNQE
KAEKGREHIA	KRAMENM			

[IDENTIFICATION]



Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.