

Recombinant Secretogranin III (SCG3) Instruction Manual

SIPF199Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	63.7kDa
Accurate Molecular Mass	64kDa(Analysis of differences refer to the manual)
Residues & Tags	Phe20~Leu468 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	4.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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F PKPGGSQDKS LHNRELSAER PLNEQIAEAE
EDKIKKTYPP ENKPGQSNYS FVDNLNLLKA ITEKEKIEKE RQSIRSSPLD
NKLNVEDVDS TKNRKLIDDY DSTKSGLDHK FQDDPDGLHQ LDGTPLTAED
IVHKIAARIY EENDRAVFDK IVSKLLNLGL ITESQAHTLE DEVAEVLQKL
ISKEANNYEE DPNKPTSWTE NQAGKIPEKV TPMAAIQDGL AKGENDETVS
NTLTLTNGLE RRTKTYSEDN FEELQYFPNF YALLKSIDSE KEAKEKETLI
TIMKTLIDFV KMMVKYGTIS PEEGVSYLEN LDEMIALQTK NKLEKNATDN
ISKLFPAPE KSHEETDSTK EEAAMEKEY GSLKDSTKDD NSNPGGKTDE
PKGKTEAYLE AIRKNIEWLK KHKKKGNKED YDLSKMRDFI NKQADAYVEK
GILDKEEA EA IKRIYSSL
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USAGE

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

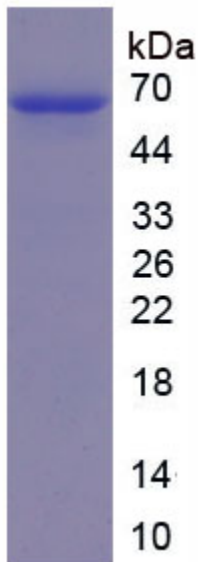


Figure. SDS-PAGE

[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.