

EPB674Ra61 100µg

Eukaryotic Complement Component 1, S Subcomponent (C1s)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Eukaryotic expression

Host: 293F cell

Residues: Glu16~Asp688

Tags: N-terminal 10XHis tag and C-terminal Myc tag

Subcellular Location: Extracellular matrix

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 5% Trehalose.

Original Concentration: 50µg/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: 4.4

Predicted Molecular Mass: 77.9kDa

Accurate Molecular Mass: 72kDa 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 ddH₂O to a concentration of 0.1-0.4 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]

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EPTMYGEILS PNYPQAYPNE VVKTWDieVP EGFGIHLyFT HLDMElSENC AYDSVQIISG
GIEEERLCGQ RTSKSPNSPT VEEFQFPYNR LQVVFTSDFS NEERFTGFAA YYSaVDVNEC
TDFTDVPCSH FCNNFIGGYF CSCPPEYFLH DDMRTCGVNC SGDVFTALIG EIASPNYPNP
YPENSRCEYQ IRLQEGFRLV LTIRREDFDV EPADSEGNCH DSLTFAAKNQ QFGPYCGNGF
PGPLTIKTQS NTLDIVFQTD LTGQNKGWKL RYHGDIPICP KEISANSIWE PEKAKYVFKD
VVKITCVDGF EVVEGNVGST SFYSTCQSNG QWSNSRLECQ PVDCGVPEPI ENGKVEDPED
TVFGSVIHYT CEEPYYYMEQ EEGEYHCAA NGSWVNDQLG VELPKCIPVC GVPTEPFKVQ
QRIFGGYSTK IQSFPWQVYF ESPRGGGALI DEYWVLTAAH VVEGNSDPVM YVGSTLLKIE
RLRNAQRLIT ERViiHPSWK QEDDLNTRTN FDNDIALVQL KDPVKMGPTV APICLPETSS
DYNPSEGLG LISGWGRten RTNVIQLRGA KLPITSLEKc QQVKVENPKA RSNDYVFtDN
MICAGEKGVD SCEGDSGGAF ALPVPNVKDP KfYVAGLVSW GKKCGTYGIY TKVKNYVDWI
LKTMQENSGP KkD
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[IDENTIFICATION]

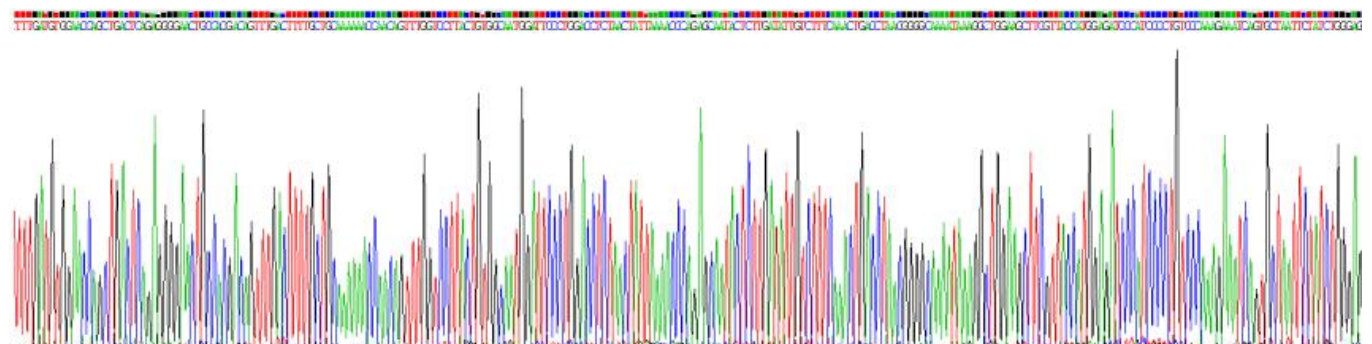


Figure . Gene Sequencing (extract)

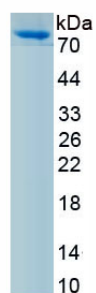


Figure. SDS-PAGE

[**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.