

RPE461Hu01 100µg

Recombinant Oxoglutarate Carrier Protein, Mitochondrial (OGC)

Organism Species: *Homo sapiens* (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Gly314

Tags: N-terminal His Tag

Subcellular Location: Mitochondrion

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 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: 9.9

Predicted Molecular Mass: 37.8kDa

Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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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MAATASAGAG GIDGKPRTPS KSVKFLFGGL AGMGATVVFVQ PLDLVKNRMQ
LSGEGAKTRE YKTSFHALTS ILKAEGLRGI YTGLSAGLLR QATYTTTRLG
IYTVLFERLT GADGTPPGFL LKAVIGMTAG ATGAFVGTGA EVALIRMTAD
GRLPADQRRG YKNVFNALIR ITREEGLTL WRGCIPTMAR AVVVNAAQLA
SYSQSKQFLL DSGYFSDNIL CHFCAISMISG LVTTAASMPV DIAKTRIQNM
RMIDGKPEYK NGLDVLFKVV RYEGFFSLWK GFTPYEARLG PHTVLTFIFL
EQMNKAYKRL FLSG
    
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[IDENTIFICATION]

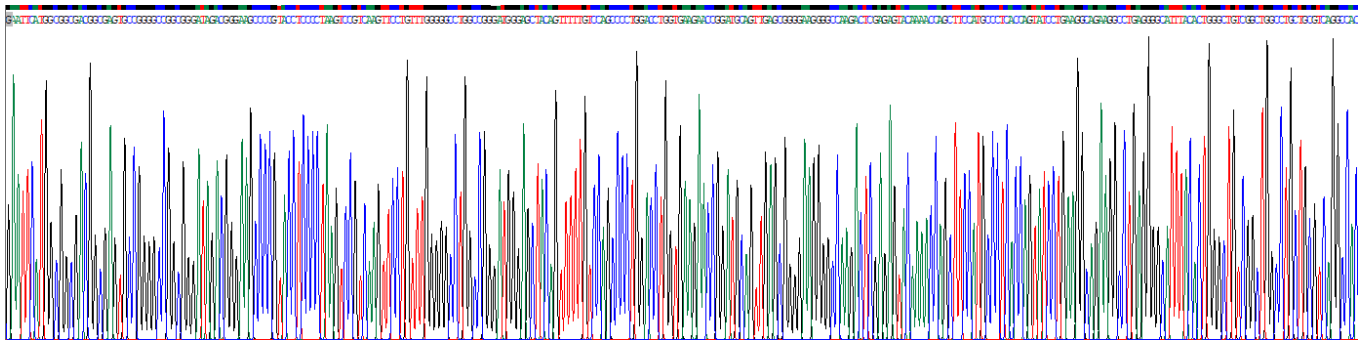


Figure . Gene Sequencing (extract)

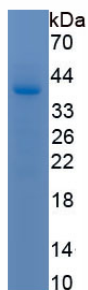


Figure. SDS-PAGE

[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.