RPG143Ra01 1

Recombinant Cysteinyl tRNA Synthetase 2, Mitochondrial (CARS2)

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: Prokaryotic expression

Host: *E.coli*

Residues: Phe289~Thr550

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 100μg/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: 8.9

Predicted Molecular Mass: 32.9kDa

Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

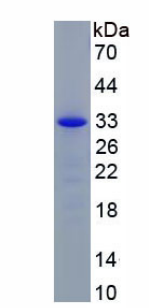
Aliquot and store at -80ºC for 12 months.

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]

FL HSGHLHVKGK EEKMSKSLKN YITIKDFLQT FSPDVFRLFC LRTNYRSAID YSDSTLEEAR HLLLGLASFV EDARAYVKGQ LICGPVGEDV LWERLASTKK AVKAALANDF DTPRAVNSIL DLVHHANRQL RAVSKEAGGP RSPTVFGAIV AYVEQFFETV GISLAKRQCV SGDSSTVALH CVVDELVRFR LKVRQYALAT PGATGEARKQ QLQERQPLLE ACDALRQDLM THGINVKDRG HAASTWELLD PRTKHQKPGT

[IDENTIFICATION]



[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.