

RPD000Hu01 100µg

Recombinant Phenylalanyl tRNA Synthetase 2, Mitochondrial (FARS2)

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~Phe451

Tags: N-terminal His Tag

Subcellular Location: Mitochondrion

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 200µg/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: 7.0

Predicted Molecular Mass: 56.1kDa

Accurate Molecular Mass: 56kDa 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 2-8°C for one month.

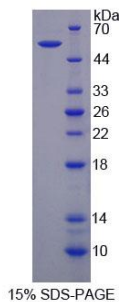
Aliquot and store at -80°C for 12 months.

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]

MVGSALRRGA HAYVYLVSKA SHISRGHQHQ AWGSRPPAAE CATQRAPGSV VELLGKSYDQ DDHSNLTRKV
LTRVGRNLHN QQHHPLWLIK ERVKEHFYKQ YVGRFGTPLF SVYDNLSPVV TTWQNFDSL IPADHPSRKK
GDNYYLNRTH MLRAHTSAHQ WDLLHAGLDA FLVVGDVYRR DQIDSQHYPY FHQLEAVRLF SKHELFAQIK
DGESLQLFEQ SSRSAHKQET HTMEAVKLVE FDLKQTLTRL MAHLFGDELE IRWVDCYFPF THPSFEMEIN
FHGEWLEVLG CGVMEQQLVN SAGAQRIGW AFGLGLERLA MILYDIPDIR LFWCEDERFL KQFCVSNINQ
KVKFQPLSKY PAVINDISFW LPSENYAEND FYDLVRTIGG DLVEKVDLID KFWHPKTHKT SHCYRITYRH
MERTLSQREV RHIHQALQEA AVQLLGVEGR F

[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.