

RPH050Mu01 50µg

Recombinant Transcription Factor A, Mitochondrial (TFAM)

Organism Species: *Mus musculus* (Mouse)

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: Ser43~His243

Tags: N-terminal His and GST Tag

Subcellular Location: Mitochondrion

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO₃, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% Sarcosyl, 5% Trehalose and Proclin300.

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: 9.1

Predicted Molecular Mass: 53.6kDa

Accurate Molecular Mass: 53kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

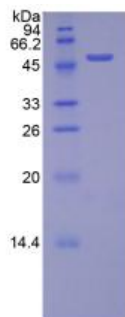
Store at 2-8°C for one month.

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]

				SSMGSYPK
KPMSSYLRF	TEQLPKFKAK	HPDAKLSELV	RKIAALWREL	PEAEKKVYEA
DFKAEWKAYK	EAVSKYKEQL	TPSQLMGMEK	EARQRRLLKKK	ALVKRRELIL
LGKPKRPRSA	YNIYVSESFQ	EAKDDSAQ GK	LKLVNEAWKN	LSPEEKQAYI
QLAKDDRIRY	DNEMKSWEEQ	MAEVGRSDLI	RRSVKRS GDI	SEH



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.