RPE976Mu01 100µg

Recombinant Eukaryotic Translation Initiation Factor 2 Alpha Kinase 1 (EIF2aK1)

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: Phe167~Phe580

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: 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: 5.8

Predicted Molecular Mass: 50.2kDa

Accurate Molecular Mass: 50kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.
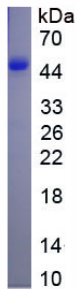
Store at 2-8⁰C for one month.

Aliquot and store at -80⁰C 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]

FEEL AILGKGGYGR VYKVRNKLDG QHYAIKKILI
KSATKTDCM KVLREVKVLA GLQHPNIVGY HTAWIEHVHV VQPQDRVPIQ L
PSLEVLSE QEGDRDQGGV KDNESSSIV FAELTPEKEK PFGESEVKNE NN
NLVSYTA NLVVRNSSES ESSIELQEDG LTDLSVRPVV RHQLPLGHSS ELE
GNFTST DESSEGNLNL LGQTEVRYHL MLHIQMQLCE LSLWDWITER NKRS
REYVD EAACPYVMAS VATKIFQELV EGVFYIHNMG IVHRDLKPRN IFLHG
PDQQ VKIGDFGLAC ADIIQNADWT NRNGKGTRTH TSRVGTCLYA SPEQLE
GSQ YDAKSDMYSL GVILLELFQP FGTEMERATV LTGVRTGRIP ESLSKRC
PV QAKYIQLLTG RNVSQRPSAL QLLQSELF

[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.