

RPE976Hu01 100µg

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

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: Phe167~Phe583

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: 5.7

Predicted Molecular Mass: 51.1kDa

Accurate Molecular Mass: 51kDa 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]

FEEL AILGKGGYGR VYKVRNKLDG QYYAIKKILI KGATKTVCM KVLREVKVLA GLQHPNIVGY HTAWIEHVHV
IQPRADRAAI ELPSLEVLS DQEEDREQCG VKNDESSSSS IIFAEPTEK EKRFGESDTE NQNNKSVKY TTNLVIRESG
ELESTLELQE NGLAGLSASS IVEQQLPLRR NSHLEESFT STEESSEENV NFLGQTEAQY HMLLHIQML CELSLWDWIV
ERNKRGREY VDESACPYVM ANVATKIFQE LVEGVFYIHN MGIVHRDLKP RNIFLHGPD QQVKIGDFGL ACTDILQKNT
DWTNRNGKRT PHTSRVGTG LYASPEQLE GSEYDAKSDM YSLGVVLEL FQPFGTEMER AEVLTGLRTG QLPESLRKR
CPVQAKYIQH LTRRNSSQRP SAIQLLQSEL F

[IDENTIFICATION]

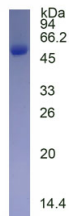


Figure. SDS-PAGE

[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.