RPU53183

Recombinant Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3 (EIF2aK3)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Phe593~Phe1077

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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: 5.2

Predicted Molecular Mass: 58.7kDa

Accurate Molecular Mass: 59kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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]

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                                                        FEPIQCLG
RGGFGVVFEA KNKVDDCNYA IKRIRLPNRE LAREKVMREV KALAKLEHPG
IVRYFNAWLE APPEKWQEKM DEIWLKDEST DWPLSSPSPM DAPSVKIRRM
DPFATKEHIE IIAPSPQRSR SFSVGISCDQ TSSSESQFSP LEFSGMDHED
ISESVDAAYN LQDSCLTDCD VEDGTMDGND EGHSFELCPS EASPYVRSRE
RTSSSIVFED SGCDNASSKE EPKTNRLHIG NHCANKLTAF KPTSSKSSSE
ATLSISPPRP TTLSLDLTKN TTEKLQPSSP KVYLYIQMQL CRKENLKDWM
NGRCTIEERE RSVCLHIFLQ IAEAVEFLHS KGLMHRDLKP SNIFFTMDDV
VKVGDFGLVT AMDQDEEEQT VLTPMPAYAR HTGQVGTKLY MSPEQIHGNS
YSHKVDIFSL GLILFELLYP FSTQMERVRT LTDVRNLKFP PLFTQKYPCE
YVMVQDMLSP SPMERPEAIN IIENAVF
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[IDENTIFICATION]

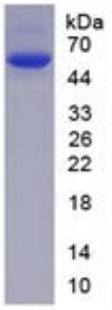

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.