RPF635Hu01 10μg

Recombinant Phosphodiesterase 1A, Calmodulin Dependent (PDE1A)

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: Gly2~Asp318

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl,

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: 5.9

Predicted Molecular Mass: 40.4kDa

Accurate Molecular Mass: 40kDa 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 2-8⁰C 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]

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  GSSATEIEE LENTTFKYLT GEQTEKMWQR LKGILRCLVK QLERGDVNVV
DLKKNIEYAA SVLEAVYIDE TRRLLDTEDE LSDIQTDSVP SEVRDWLAST
FTRKMGMTKK KPEEKPKFRS IVHAVQAGIF VERMYRKTYH MVGLAYPAAV
IVTLKDVDKW SFDVFALNEA SGEHSLKFMI YELFTRYDLI NRFKIPVSCL
ITFAEALEVG YSKYKNPYHN LIHAADVTQT VHYIMLHTGI MHWLTELEIL
AMVFAAAIHD YEHTGTTNNF HIQTRSDVAI LYNDRSVLEN HHVSAAYRLM
QEEEMNILIN LSKDDWRD
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[IDENTIFICATION]

15% SDS-PAGE
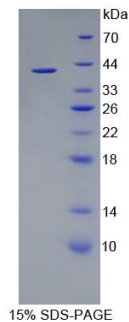
[IMPORTANT NOTE]

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.