EPF645Hu61 100μg

Eukaryotic Phosphodiesterase 5A, cGMP Specific (PDE5A)

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: Eukaryotic expression

Host: 293F Cell

Residues: Glu536~Gln860

Tags: Two N-terminal Tags, His-tag and MBP-tag

Subcellular Location: Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 5% Trehalose.

Original Concentration: 120μg/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: 6.9

Predicted Molecular Mass: 79.6kDa

Accurate Molecular Mass: 80kDa 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 2-8ºC 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]

```
                                          ETREL QSLAAAVVPS
AQTLKITDFS FSDFELSDLE TALCTIRMFT DLNLVQNFQM KHEVLCRWIL
SVKKNYRKNV AYHNWRHAFN TAQCMFAALK AGKIQNKLTD LEILALLIAA
LSHDLDHRGV NNSYIQRSEH PLAQLYCHSI MEHHHFDQCL MILNSPGNQI
LSGLSIEEYK TTLKIIKQAI LATDLALYIK RRGEFFELIR KNQFNLEDPH
QKELFLAMLM TACDLSAITK PWPIQQRIAE LVATEFFDQG DRERKELNIE
PTDLMNREKK NKIPSMQVGF IDAICLQLYE ALTHVSEDCF PLLDGCRKNR
QKWQALAEQQ
```

[IDENTIFICATION]

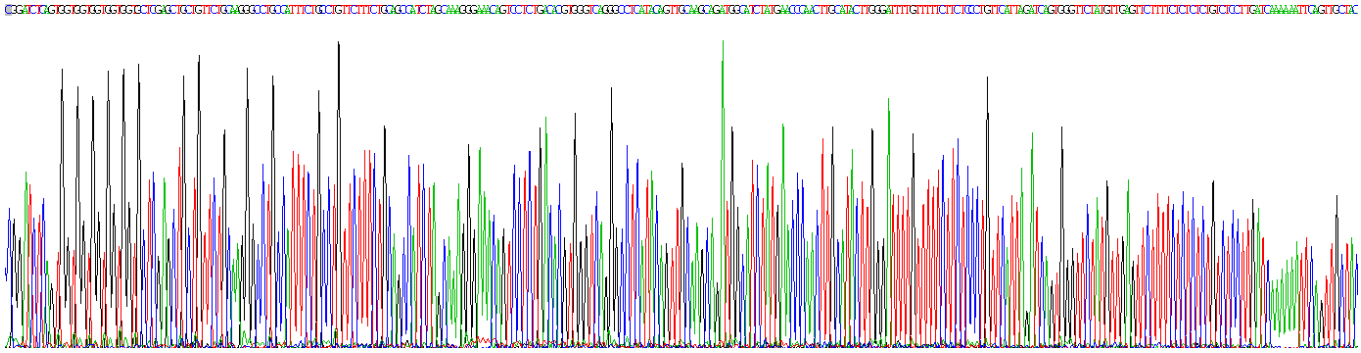

Figure . Gene Sequencing (extract)

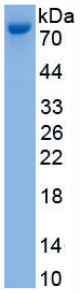

Figure. SDS-PAGE

[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.