

RPF645Hu01 5µg

Recombinant 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: Prokaryotic expression

Host: E.coli

Residues: Glu536~Gln860

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, 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: 6.9

Predicted Molecular Mass: 41.3kDa

Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O 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]

			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]

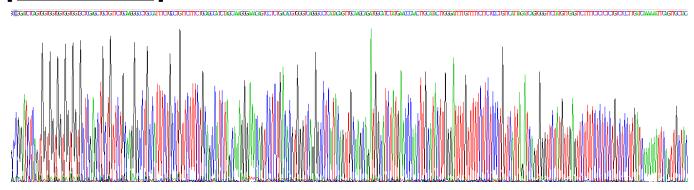


Figure . Gene Sequencing (extract)

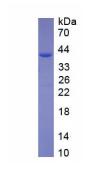


Figure. SDS-PAGE

[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.