

RPB972Hu01 100µg

Recombinant Pigment Epithelium Derived Factor (PEDF)

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: Asn21~Pro415

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 400µg/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: 6.3

Predicted Molecular Mass: 47.8kDa

Accurate Molecular Mass: 48kDa 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]

VNKLAAAVSN	FGYDLYRVRS	STSPTTNVLL	SPLSVATALS	ALSLGAEQRT
ESIIHRALYY	DLISSPDIHG	TYKELLDTVT	APQKNLKSAS	RIVFEKKLRI
KSSFVAPLEK	SYGTRPRVLT	GNPRDLQEI	NNWVQAQMKG	KLARSTKEIP
DEISILLGV	AHFKGQWVTK	FDSRKTSLED	FYLDEERTVR	VPMMSDPKAV
LRYGLSDLS	CKIAQLPLTG	SMSIIFFLPL	KVTQNLTLIE	ESLTSEFIHD
IDRELKTVQA	VLTPVKLKLS	YEGEVTKSLQ	EMKLQSLFDS	PDFSKITGKP
IKLTQVEHRA	GFEWNEDGAG	TTPSPGLQPA	HLTFPLDYHL	NQPFIFVLRD
TDTGALLFIG	KILDP			

[IDENTIFICATION]

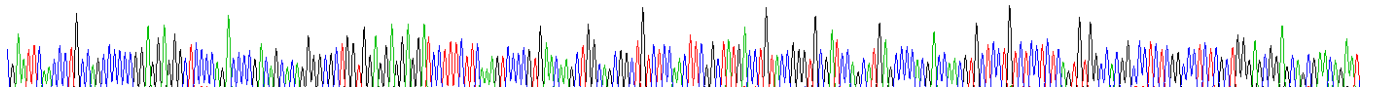


Figure . Gene Sequencing (extract)

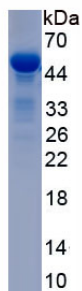


Figure. SDS-PAGE

[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.