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Recombinant Pigment Epithelium Derived Factor (PEDF)

Catalog Number: SIPB374Hu01 **Spec: 100ug**

Product Name	Recombinant Pigment Epithelium Derived Factor (PEDF)
Catalog Number	SIPB374Hu01
Organism Species	Human
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 2-8ºC 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]

NPASPPEEGS PDPDSTGALV EEEDPFFKVP
VNKLAAAVSN FGYDLYRVRS STSPTTNVLL SPLSVATALS ALSLGAEQRT
ESIIHRALYY DLISSPDIHG TYKELLDTVT APQKNLKSAS RIVFEKKLRI
KSSFVAPLEK SYGTRPRVLT GNPRLDLQEI NNWVQAQMKG KLARSTKEIP
DEISILLLGV AHFKGQWVTK FDSRKTSLED FYLDEERTVR VPMMSDPKAV
LRYGLDSDLS CKIAQLPLTG SMSIIFFLPL KVTQNLTLIE ESLTSEFIHD
IDRELKTVQA VLTVPKLKLS YEGEVTKSLQ EMKLQSLFDS PDFSKITGKP
IKLTQVEHRA GFEWNEDGAG TTPSPGLQPA HLTFPLDYHL NQPFIFVLRD
TDTGALLFIG KILDP

[IDENTIFICATION]

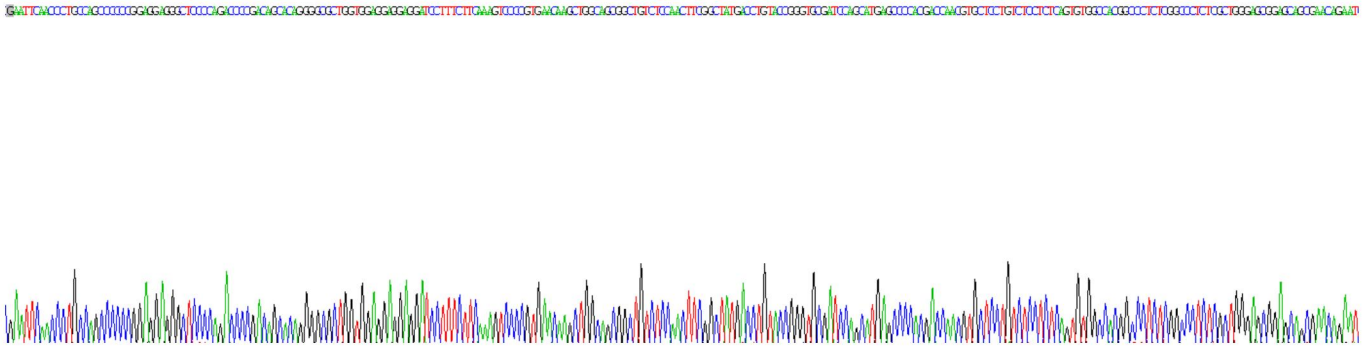


Figure . Gene Sequencing (extract)

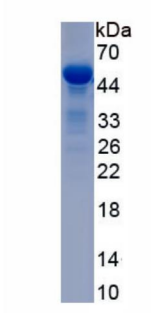


Figure. SDS-PAGE

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[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.