SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Recombinant Pigment Epithelium Derived Factor (PEDF)

Catalog Number: SIPB374Ra01 **Spec: 10ug**

Product Name	Recombinant Pigment Epithelium Derived Factor (PEDF)
Catalog Number	SIPB374Ra01
Organism Species	Rat
Source	Prokaryotic expression
Host	E.coli
Residues	Gln20~Thr418
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Membrane
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
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	6.0
Predicted Molecular Mass	58.2kDa
Accurate Molecular Mass	58kDa 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 2-8ºC 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]

Q NVPDSSQDSP APDSTGEPVV EEDDPFFKAP
VNKLAAAVSN FGYDLYRLRS GAVSTGNILL SPLSVATALS ALSLGAEQRT
ESVIHRALYY DLINNPDIHS TYKELLASVT APEKNFKSAS RIVFERKLRV
KSSFVAPLEK SYGTRPRILT GNPRIDLQEI NNWVQAQMKG KIARSTREMP
SALSILLLGV AYFKGQWATK FDSRKTTLQD FHLDEDRTVR VPMMSDPKAI
LRYGLDSDLN CKIAQLPLTG SMSIIFFLPL TVTQNLTMIE ESLTSEFVHD
IDRELKTIQA VLTVPKLKLS YEGDVTNSLQ DMKLQSLFES PDFSKITGKP
VKLTQVEHRA AFEWNEEGAG TSSNPDLQPV RLTFPLDYHL NRPFIFVLRD
TDTGALLFIG RILDPSST

[IDENTIFICATION]

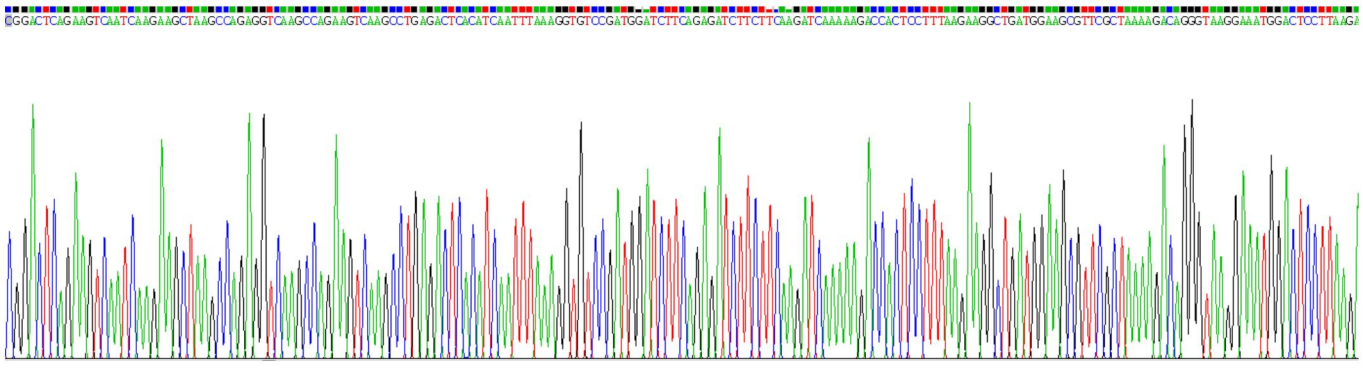
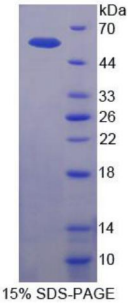


Figure. Gene Sequencing (Extract)



15% 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.