SunLong Biotech Co.,LTD
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Recombinant Pigment Epithelium Derived Factor (PEDF)

Catalog Number: SIPB374Mu02 **Spec: 50ug**

Product Name	Recombinant Pigment Epithelium Derived Factor (PEDF)
Catalog Number	SIPB374Mu02
Organism Species	Mouse
Source	Prokaryotic expression.
Host	E. coli
Residues	Leu125~Lys261
Tags	N-terminal His-Tag
Tissue Specificity	Liver, Stomach, Brain, Testis.
Subcellular Location	Secreted. Melanosome.
Purity	>98%
Traits	Freeze-dried powder
Buffer formulation	10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose 0.01% sarcosyl 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	9.9
Predicted Molecular Mass	16.8kDa
Accurate Molecular Mass	17&18&21kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[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 37oC 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]

LASVTA PEKNLKSASR IVFERKLRVK
SSFVAPLEKS YGTRPRILTG NPRVDLQEIN NWVQAQMKGK IARSTREMPS
ALSILLLGVA YFKGQWVTKF DSRKTTLQDF HLDEDRTVRV PMMSDPKAIL
RYGLDSDLNC K

[IDENTIFICATION]

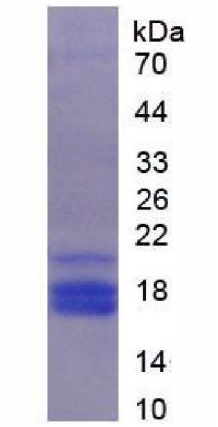


Figure 1. SDS-PAGE