

RPH339Mu01 10 μ g

Recombinant Periostin (POSTN)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ser500~Leu630

Tags: N-terminal His-Tag

Tissue Specificity: Heart.

Subcellular Location: Secreted, extracellular space, extracellular matrix.

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.3

Predicted Molecular Mass: 15.9kDa

Accurate Molecular Mass: 16kDa 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 2-8°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]

S

LHDKLRQDKR FSIFLSLLEA ADLKDLLTQP GDWTLFAPTN DAFKGMTSEE
 RELLIGDKNA LQNIILYHLT PGVYIGKGE PGVTNILKTT QGSKIYLGKV
 NETLLVNELK SKESDIMTTN GVIHVVDKLL

[IDENTIFICATION]

TCTTCCGCGACCTTGGCGACGACGCTTTGGATCTCTCTCTCCCTCTTGAAGTCGGATTTGAAAGTTCCTGGCCAGCCCGGCGTGGCCCTCTTTTCGACACGATGTCCCTTCAGCGGAGTGTCTGCGGAGAGCGGCTTCTGTATGTGGGATAAAGTCTCCAAAGATCATCTTTATCCCTGCGC
 5 L H D K L R Q D K R F S I F L S L L E A A D L K D P L T Q P G D W T L F A P T N D A F K G M T S E E R E L L I G D K N A L Q N I I L Y H L T P

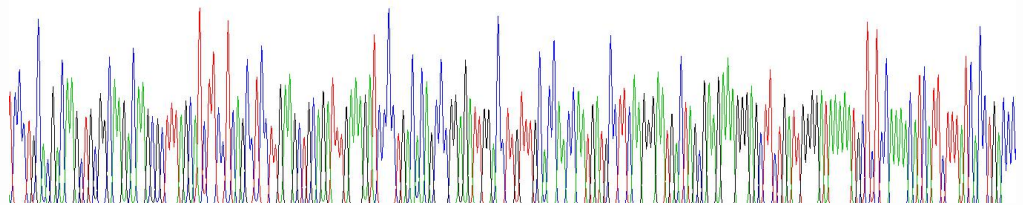


Figure 1. Gene Sequencing (Extract)

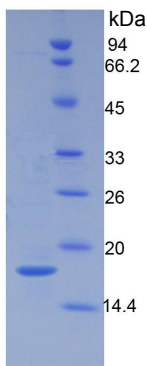


Figure 2. SDS-PAGE