

EPA899Mu61 100ug

Eukaryotic Osteopontin (OPN)

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: Eukaryotic expression.

Host: 293F cell

Residues: Leu17~Asn294

Tags: N-terminal His Tag

Homology: Human 64%, Rat 79%

Tissue Specificity: Plasm.

Subcellular Location: Secreted.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Traits: Freeze-dried powder

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

Original Concentration: 200ug/mL

Predicted isoelectric point: 4.3

Predicted Molecular Mass: 32.4kDa

Accurate Molecular Mass: 58kDa as determined by SDS-PAGE reducing conditions.

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

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

[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]

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                LPVK VTDSGSSEEK  LYSLHPDPIA  TWLVPDPSQK
QNL LAPQNAV  SSEKDDFKQ  ETLPSNSNES  HDHMDDDDDD  DDDGDHAES
EDSVDSDESD  ESHHDESDE  TVTASTQADT  FTPIVPTVDV  PNGRGDSLAY
GLRSKRSFQ   VSDEQYPDAT  DEDLTSHMKS  GESKESLDVI  PVAQLLSMPS
DQDNNGKGS  H  ESSQLDEPSL  ETHRLEHSKE  SQESADQSDV  IDSQASSKAS
LEHQSHKFS  H  HKDKLVLPK  SKEDDRYLKF  RISHELESSS  SEVN
    
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[IDENTIFICATION]

C T C C G G T G A A G T G C T G A T T C T G G C A G C T G A G A G A M C T T T A C A G C C T G C A C C A G A T C C T A T A G C C A T G G C T G T G C C T G A C C A T C T G A G A G C A G A T C T C T T G C G C C A G A M T C T G T G T C T C T G A G A A M G A T G A C T T T A M C A G A M M C T C T T C A M G C A T T C G A T G A A M G C
 I P V K V T D S G S S E E K L Y S L H P D P I A T W L V P D P S Q K Q N L L A P Q N A V S S E E K D D F K Q E T L P S N S E S

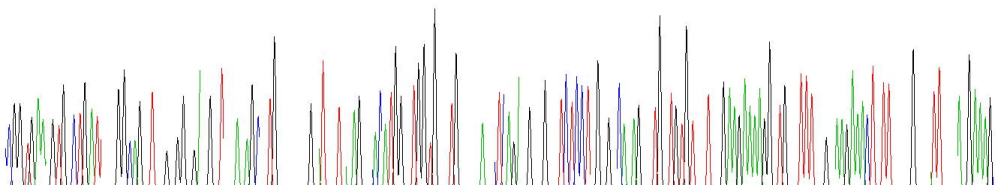


Figure 1. Gene Sequencing (extract)

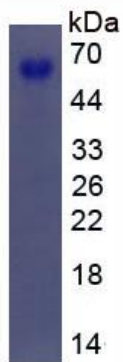


Figure 2. SDS-PAGE