

RPA013Ra01 10 μ g
Recombinant Bone Morphogenetic Protein 2 (BMP2)
Organism Species: *Mus musculus* (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ser49~Ile243

Tags: N-terminal His-Tag

Tissue Specificity: Lung, Ovary, Liver, Kidney.

Subcellular Location: Secreted.

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl 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: 7.0

Predicted Molecular Mass: 23.6kDa

Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in 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 2-8°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]

SE

FELRLLSMFG LKQRPTPSKD VVPPYMLDL YRRHSGQPGA LAPDHLERA
 ASRANTVLSF HHEEAIEELS EMSGKTSRRF FFLSSVPTD EFLTSAELQI
 FREQMQEALG NSSFQHRINI YEIIKPATAS SKFPVTRLLD TRLVTQNTSQ
 WESFDVTPAV MRWTAQGHTN HGFVVEVAHL EEKPGVSKRH VRI

[IDENTIFICATION]

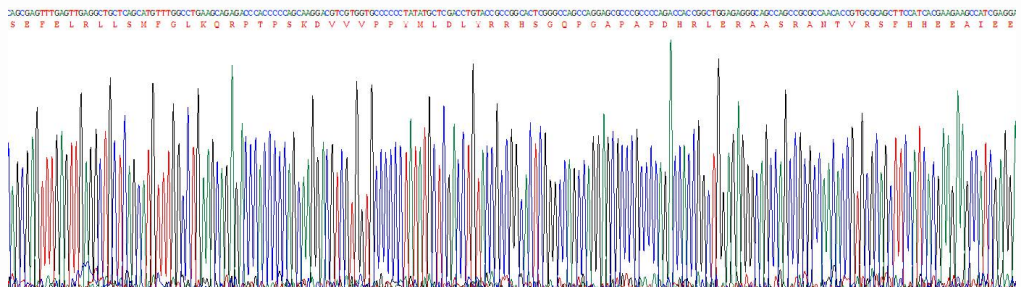


Figure 1. Gene Sequencing (Extract)

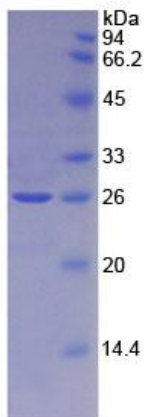


Figure 2. SDS-PAGE