

RPA013Mu01 10μg
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: Gln281~Arg394

Tags: N-terminal His-Tag

Tissue Specificity: Thyroid.

Subcellular Location: Secreted.

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: 8.2

Predicted Molecular Mass: 14.2kDa

Accurate Molecular Mass: 15kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM 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]

VDFS	DVGW	ND	WIVAP	PGYHA	FYCH	GECFP	QAKHKQRKRL	KSSCKRHPLY
NSKI	PKAC	CV	PTEL	SAIS	ML	YLDEN	EKVVL	LADHLNSTNH AIVQTLVNSV
								KNYQDMVVEG CGCR

[IDENTIFICATION]

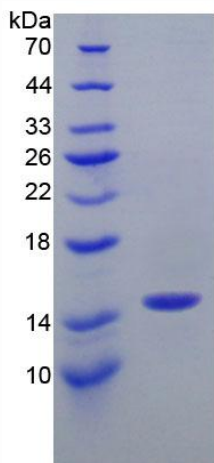


Figure 1. SDS-PAGE