

**RPA014Po01 10µg**

**Recombinant Bone Morphogenetic Protein 4 (BMP4)**

**Organism Species: Sus scrofa; Porcine (Pig)**

***Instruction manual***

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

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12th Edition (Revised in Aug, 2016)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residuess:** Arg227~Cys408

**Tags:** N-terminal His Tag

**Tissue Specificity:** n/a

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose 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:** 9.3

**Predicted Molecular Mass:** 22.0kDa

**Accurate Molecular Mass:** 22/14kDa 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 ]**

REKQ PNYGLAIEVT HLHQTRTHQG  
QHVRISRSLP QGSGDWAQLR PLLVTFGHDG RGHALTRRRR AKRSPKHPQ  
RARKKNKNCR RHSLYVDFSD VGWNDWIVAP PGYQAFYCHG DCPFPLADHL  
NSTNHAIVQT LVNSVNSSIP KACCVPTELS AISMLYLDEY DKVVLKNYQE  
MVVEGCGC

[ **IDENTIFICATION** ]

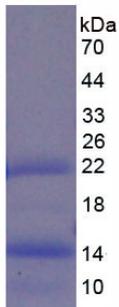


Figure. SDS-PAGE