

Recombinant Bone Morphogenetic Protein 4 (BMP4) Instruction Manual

SIPA009Mu02

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Extracellular matrix
Predicted Molecular Mass	48.0kDa
Accurate Molecular Mass	48kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser22~Arg408 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	9.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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SHASLIPET GKKKVAEIQG HAGGRRSGQS  
HELLRDFEAT LLQMFG LRRR PQPSKSAVIP DYMRDLYRLQ SGEEEEEEQS  
QGTGLEYP ER PASRANTVRS FHHEEHLENI PGTSESSAFR FLFNLSSIPE  
NEVISSAELR LFREQVDQGP DWEQGFHRIN IYEV MKPPAE MVPGHLITRL  
LDTRLVHHNV TRWETF DVSP AVLRWTRKQ PNYGLAIEVT HLHQTRTHQG  
QHVRISRSLP QGSGDWAQLR PLLVTFGHDG RGHTLTRRRA KRSPKHHQPQR  
SRKKNKNCRR HSLYVDFSDV GWNDWIVAPP GYQAFYCHGD CPFPLADHLN  
STNHAI VQTL VNSVNSSIPK ACCVPTLSA ISMLYLDEYD KVV LK NYQEM  
VVEGCGCR
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

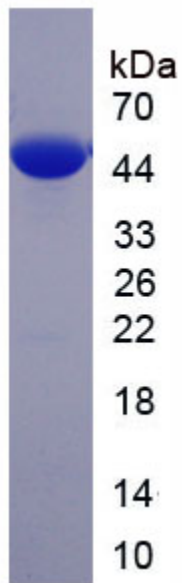


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.