

Recombinant Bone Morphogenetic Protein 4 (BMP4) Instruction Manual

SIPA009Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	48.2kDa
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 HAGRRSGQS  
HELLRDFEAT LLQMFGLRRR PQPSKSAVIP DYMRDLYRLQ SGEEEEEQIH  
STGLEYPERP ASRANTVRSF HHEEHLENIP GTSSENSAFRF LFNLSIPEN  
EVISSAELRL FREQVDQGPD WERGFHRINI YEVMKPPAEV VPGHLITRLL  
DTRLVHHMVT RWETFQVSPA VLRWTREKQP NYGLAIEVTH LHQTRTHQGQ  
HVRISRSLPQ GSGNMAQLRP LLVTFGHDGR GHALTRRRRA KRSPKHHSQR  
ARKKNKNCRR HSLYVDFSDV GWNDWIVAPP GYQAFYCHGD CPFPLADHLN  
STNHAIVQTL VNSVNSSIPK ACCVPTELSA ISMLYLDEYD KVVLLKNYQEM  
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.

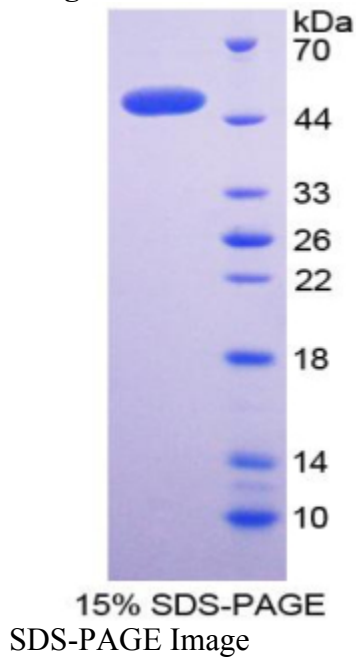
STORAGE

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



[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.