

Recombinant Bone Morphogenetic Protein 7 (BMP7) Instruction Manual

SIPA181Hu02

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	49.7kDa
Accurate Molecular Mass	46kDa(Analysis of differences refer to the manual)
Residues & Tags	Asp30~His431 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	7.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```

D FSLDNEVHSS FIHRRLLRSQE
RREMQRILS ILGLPHRPRP HLQGKHNSAP MFMLDLYNAM AVEEGGGPGG
QGFSYPYKAV FSTQGPPLAS LQDSHFLTDA DMVMSFVNLV EHDKEFFHPR
YHREFRFDL SKIPEGEAVT AAEFRIYKDY IRERFDNETF RISVYQVLQE
HLGRESDFL LDSRTLWASE EGWLVFDITA TSNHWVVNPR HNLGLQLSVE
TLDGQSINPK LAGLIGRHGP QNKQPFMVAF FKATEVHFRS IRSTGSKQRS
QNRSKTPKNQ EALRMANVAE NSSSDQRQAC KKHELYVSFR DLGWQDWIIA
PEGYAAYYCE GECAFLNSY MNATNHAIVQ TLVHFINPET VPKPCCAPTQ
LNAISVLYFD DSSNVILKKY RNMVVRACGC H
```

USAGE

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

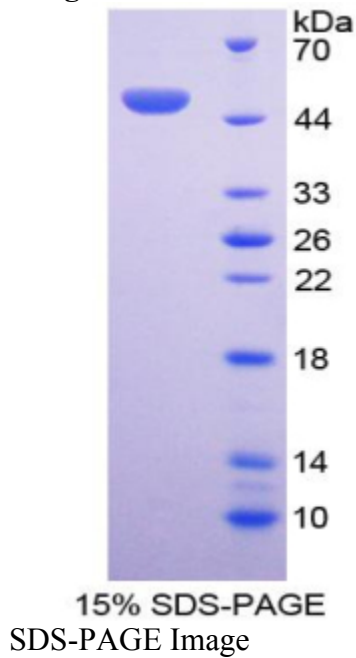
STORAGE

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.