

RPA014Fi01 100µg

Recombinant Bone Morphogenetic Protein 4 (BMP4)

Organism Species: *Danio rerio* (Zebrafish)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ser25~Arg400

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 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: 6.9

Predicted Molecular Mass: 46.8kDa

Accurate Molecular Mass: 45kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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]

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SLIPEE GKKKASALHL AQSHELLRDF
EATLLHMFGL QRRPRPSHSA VVPQYLLDLY RLQSGELEEA GAQHVSFDYP
ERSTSRANTV RGFHHEEHLE ELQSDGSQET PLRFVFNLS IPEDELISTA
ELRVYRQQID DAFSDPDQTG DHGLHRINIY EVLKAPREGQ LITQLLDTRL
VRHNTSKWES FDVSPAVLRW TQEKRSNHGL AVEVVQMKRN PVQKGRHVRV
SRSVHPLPDE EWDQLRPLL VTFGHGKSHPLTRRAKRSPK QRGRKRNRNC
RRHALYVDFS DVGWNDWIVA PPGYQAYYCH GECPFPLADH LNSTNHAIVQ
TLVNSVNTNI PKACCVPTEL SAISMLYLDE TDRVVLKKNYQ EMVVEGCGCR
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[IDENTIFICATION]

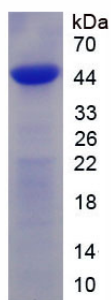


Figure. SDS-PAGE

[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.