

Product datasheet

Human BMP7 full length protein ab83921

1 Image

Overview

Product name Human BMP7 full length protein

Protein length Full length protein

Description

Nature Recombinant

Source HEK 293 cells

Amino Acid Sequence

Species Human

Sequence Theoretical sequence:
 STGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACK
 KHELIVSFRDLGWQDWIAP
 EGYAAYCEGECAPLNSYMNATNHAM
 QTLVHFINPETVPKPCCAPTQLNAISVLYFDDSS
 NVILKKYRNMVVRA CGCH

Specifications

Our [Abpromise guarantee](#) covers the use of **ab83921** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Western blot

SDS-PAGE

Purity > 95 % SDS-PAGE.

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.

Preservative: None

Constituents: 10% Trehalose, 1% Human serum albumin

Reconstitution

It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, with longer-term storage in aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

General Info

Function

Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.

Tissue specificity

Expressed in the kidney and bladder. Lower levels seen in the brain.

Sequence similarities

Belongs to the TGF-beta family.

Developmental stage

Expressed in the developing eye, brain and ear during embryogenesis.

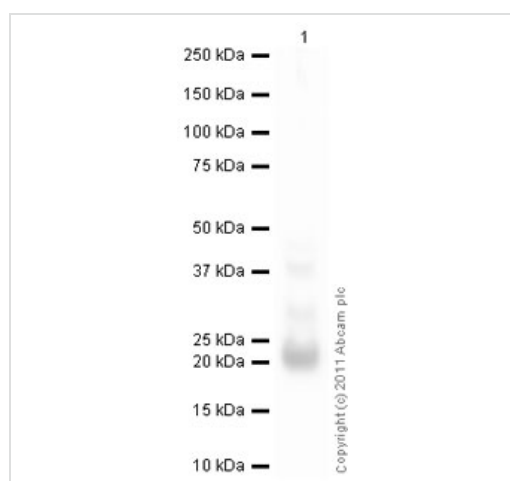
Post-translational modifications

Several N-termini starting at positions 293, 300, 315 and 316 have been identified by direct sequencing resulting in secretion of different mature forms (PubMed:17977014).

Cellular localization

Secreted.

Images



Western blot - Anti-BMP7 antibody (

[ab84684](#)

)

Anti-BMP7 antibody ([ab84684](#)) at 1/1 dilution
+ Human BMP7 full length protein ([ab83921](#))
at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed
([ab97080](#)) at 1/5000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Exposure time : 1 minute

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