

Product datasheet

Human BMP7 full length protein ab83921

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 KHELYVSFRDLGWQDWIAP EGYAAYYCEGECAPLNSYMNATNHAM 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
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Reconstitution	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.
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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.

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