

Product datasheet

Recombinant Human BMP7 protein ab87055

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human BMP7 protein
Purity	> 95 % SDS-PAGE. ab87055 was purified using conventional chromatography techniques, after refolding of the isolated inclusion body in renaturation buffer.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSTGSKQRSQ NRSKTPKNQE ALRMANVAEN SSSDQRQACK KHELYVSFRD LGWQDWIAP EGYAAYYCEG ECAFPLNSYM NATNHAMQT LVHFINPETV PKPCCAPTQL NAISVLYFDD SSNVILKKYR NMVVRACGCH LEHHHHHH
Amino acids	293 to 431

Specifications

Our **Abpromise guarantee** covers the use of **ab87055** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid
Additional notes	Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)

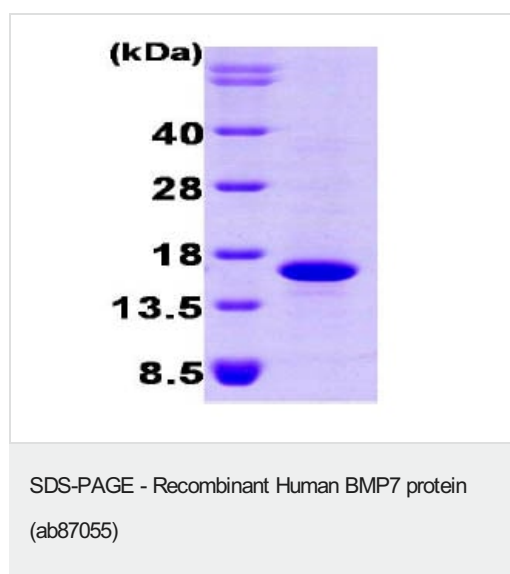
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 3.50 Constituents: 0.294% Sodium citrate, 10% Glycerol (glycerin, glycerine)
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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



ab87055 on 15% SDS-PAGE (3µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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