

Product datasheet

Recombinant human BMP3 protein ab97412

Description

Product name	Recombinant human BMP3 protein	
Biological activity	Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells.	
Purity	> 95 % SDS-PAGE. Purity is greater than 95% by SDS-PAGE gel and HPLC analyses.	
Endotoxin level	< 0.100 Eu/μg	
Expression system	HEK 293 cells	
Accession	P12645	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MQWIEPRNCA RRYLKVDFAD IGWSEWIISP KSFDAYYCSG ACQFPMPKSL KPSNHATIQS VRAVGVVPG IPEPCCVPEK MSSLSILFFD ENKNVVLKVY PNMTVESCAC R	
Predicted molecular weight	13 kDa	
Amino acids	363 to 472	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab97412** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE HPLC
Form	Lyophilized
Additional notes	Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells. Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	The lyophilized protein is stable at room temperature for up to 1 month. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C.

General Info

Function	Negatively regulates bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentiation and ossification.
Tissue specificity	Expressed in adult and fetal cartilage.
Sequence similarities	Belongs to the TGF-beta family.
Cellular localization	Secreted.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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