



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Bone Morphogenetic protein-2, HEK, human recombinant (rHuBMP-2-HEK)

**Catalog No:** 97420  
**Lot No:** XXXXX  
**Source:** HEK  
**Synonyms:** BMP-2, BMP2A

### Background

BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein induces bone formation. BMP2 is a candidate gene for the autosomal dominant disease of fibrodysplasia (myositis) ossificans progressiva.

### Description

BMP-2 Human Recombinant produced in HEK cells is a glycosylated disulfide-linked homodimer, having a molecular weight range of 28kDa due to glycosylation. The BMP2 is purified by proprietary chromatographic techniques. .

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

BMP2 was lyophilized from 0.67mg/ml in 2xPBS + 6% ethanol.

### Solubility

It is recommended to reconstitute the lyophilized BMP-2 in sterile **4mM HCl** containing 0.1% endotoxin-free recombinant HSA.

### Stability

Lyophilized BMP2, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP-2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95% as observed by SDS-PAGE.

### Activity

The specific activity as determined by the dose dependent induction of alkaline phosphatase production in the ATDC-5 cell line (Mouse chondrogenic cell line) was found to be 6.53ng/ml.

### Amino Acid Sequence

QAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPPFLADHLNSTNHAIQTLVNSVNSKIPKACCVPTELSAISMLY  
LDENEKVVLLKNYQDMVVEGCGR.

### Usage

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