

# Product information



**BMP5, 317-454 aa**

**Human, Recombinant, *E.coli***

**Cat. No. IBATGP0350**

**Full Name:** Bone morphogenetic protein 5

**NCBI Accession No.:** NP\_066551

**Description:** BMP5 is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. BMP5 may play a role in certain cancers. This protein may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. Recombinant BMP5 was expressed in *E.coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

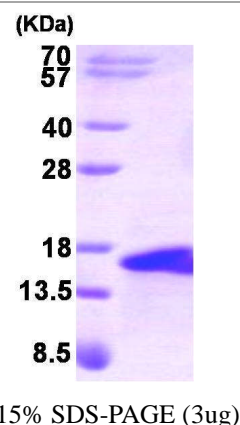
**Form:** Liquid. In 10mM Sodium Citrate buffer (pH3.5) containing 10% Glycerol.

**Molecular Weight:** 15.7 kDa (139aa)

**Purity:** > 95% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** < 1.0 EU per 1 µg of protein (determined by LAL method )



**Sequences of amino acids:**

MAANKRKNQN RNKSSSHQDS SRMSSVGDYN TSEQKQACKK HELYVSFRDL GWQDWI I APE GYAAFYCDGE CSFPLNAHMN ATNHAIVQTL  
VHLMFPDHVP KPCCAPTKLN A ISVLVYFDOS SNVILKKYRN MVVRS CGCH

**General references:**

Mailhot G., *et al.* (2008). *J Cell Physiol.* **214**(1):56-64.

Matus DQ., *et al.* (2006). *Proc Natl Acad Sci U S A.* **103**(30):11195-200.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Avoid repeated freezing and thawing cycles.

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