

AR09231PU-N

Human BMP5 (317-454) - Purified

Alternate names:

BMP-5, Bone morphogenetic protein 5

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P22003](#)

NCBI:

[NP_066551](#)

GeneID:

[653](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 10 mM Sodium Citrate buffer (pH 3.5) containing 10% Glycerol

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

Description:

Recombinant BMP5 was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

AA Sequence:

MAANKRKNQN RNKSSSHQDS SRMSSVGDYN TSEQKQACKK HELYVSFRDL GWQDWIIAPE
GYAAFYCDGE CSFPLNAHMN ATNHAIVQTL VHLMPDPHVP KPCCAPTKLN AISVLYFDDS
SNVILKKYRN MVRSCGCH

Molecular weight: 15.7 kDa (139 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

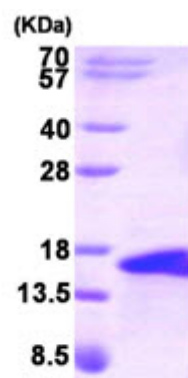
Shelf life: one year from despatch.

General Readings:

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.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human BMP5, 317-454 aa:
15% SDS-PAGE (3 μ g)

