

BMP 2 Human, HEK

Description: BMP-2 Human Recombinant produced in HEK cells is a glycosylated disulfide-linked homodimer, having a molecular weight range of 30-38kDa due to glycosylation. The BMP2 is purified by proprietary chromatographic techniques.

Catalog #: CYPs-087

For research use only.

Synonyms: BMP-2, BMP2A.

Source: HEK.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 95% as observed by SDS-PAGE.

Formulation:

The BMP2 was lyophilized from 1mg/ml in 1xPBS.

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.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized BMP-2 in sterile water not less than 100

Introduction:

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.

Biological Activity:

The specific activity was determined by the dose dependent induction of alkaline phosphatase production in the ATDC-5 cell line (Mouse chondrogenic cell line) and is typically 20-100ng/ml.

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