

## Recombinant Human Bone Morphogenetic Protein-2 HEK (rh BMP-2 HEK)

**Synonyms:** BMP2A

**Introduction:** BMP-2 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein induces bone formation. BMP-2 is a candidate gene for the autosomal dominant disease of fibro-dysplasia (myositis) ossificans progressiva.

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

**Source:** HEK Cells

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder.

**Formulation:** Lyophilized from a solution containing in PBS  
The aliquots of 1 µg and 2 µg contain Trehalose 5% (w/vol) for better recovery

**Solubility:** It is recommended to reconstitute the lyophilized Bone Morphogenetic Protein-2 in sterile water at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized BMP-2 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 95.0% as determined by SDS-PAGE.

**Biological Activity:** The ED<sub>50</sub> as determined by cytolysis of ATDC-5 cell is less than 60ng/ml.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	2 µg	Cat.N°	11345062
<i>medium</i>	10 µg	Cat.N°	11345063
<i>large</i>	50 µg	Cat.N°	11345065

**ImmunoTools** Excellent Quality - Advantageously priced

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