

HUMAN/MOUSE/RAT BMP-2 PROTEIN

Cat.#: 12024

Product Name: Human/Mouse/Rat BMP-2 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Bone Morphogenetic Protein 2;BMP-2;Bone Morphogenetic Protein 2A;BMP-2A;BMP2;BMP2A

Target: BMP-2

UNIPROT ID: P12643

Description: Recombinant Human/Mouse/Rat Bone Morphogenetic Protein 2 is produced by our E.coli expression system and the target gene encoding Gln283-Arg396 is expressed.

Background: Bone Morphogenetic Protein-2 (BMP-2) is one of the bone-growth regulatory factors that belong to the transforming growth factor-beta (TGF-beta) superfamily of proteins. BMPs are synthesized as large precursor molecules, which are cleaved by proteolytic enzymes. The active form of BMP-2 can consist of a dimer of two identical proteins or a heterodimer of two related bone morphogenetic proteins.

Species/Host: E.coli

Molecular Weight: 13.3 KDa

Molecular Characterization: Not available

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

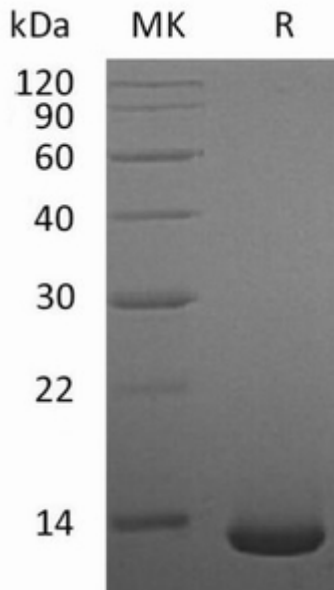


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.