

**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.

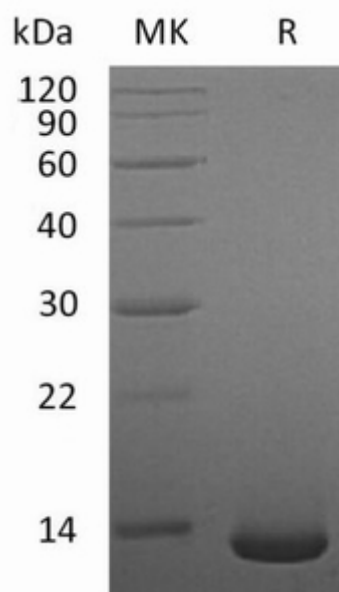


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.