

PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target                       | BMP-2                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms                     | Bone Morphogenetic Protein 2;BMP-2;Bone Morphogenetic Protein 2A;BMP-2A;BMP2;BMP2A                                                                                                                                                                                                                                                                                                                           |
| 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.                                                                                                                                                                                                                                                |
| Delivery                     | In Stock                                                                                                                                                                                                                                                                                                                                                                                                     |
| Uniprot ID                   | P12643                                                                                                                                                                                                                                                                                                                                                                                                       |
| Expression Host              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tag                          |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Characterization   | Not available                                                                                                                                                                                                                                                                                                                                                                                                |
| Molecular Weight             | 13.3 KDa                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                       | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                         |
| Formulation & Reconstitution | Lyophilized from a 0.2 μm filtered solution of 10mM HAC-NH4Ac, 4% D-Mannitol, pH 4.0.                                                                                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                          |
| 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. |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                            |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                 |



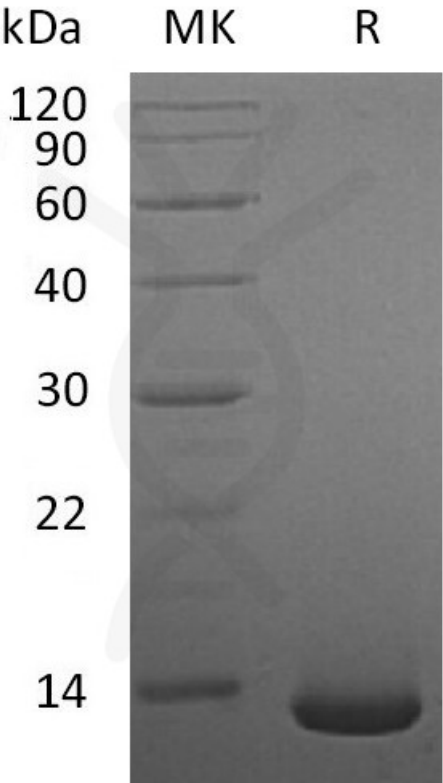


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

