

Recombinant Human/Mouse/Rat BMP-2

 Catalog :P00040 Derived from *E.coli*

DESCRIPTION	<p>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.</p> <p>Accession#: P12643</p> <p>Synonyms: Bone Morphogenetic Protein 2, BMP-2, Bone Morphogenetic Protein 2A, BMP-2A, BMP2, BMP2A</p>
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 10mM HAc-NH ₄ Ac, 4% D-Mannitol, pH 4.0.
SHIPPING	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	<p>Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.</p> <p>Reconstituted protein solution can be stored at 2-8°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.</p>
RECONSTITUTION	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100μg/ml.</p> <p>Dissolve the lyophilized protein in 50mM Acetic Acid.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass: 13.3 KDa AP Mol Mass: 13 KDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.001 ng/μg (0.01 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
<p>SDS-PAGE</p> 	