

Recombinant Human/Mouse/Rat BMP-2

Catalog No : PMK2137

Known As: Bone Morphogenetic Protein 2; BMP-2; Bone Morphogenetic Protein 2A; BMP-2A; BMP2; BMP2A

PROPERTIES

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.
Accession	P12643
Formulation	Lyophilized from a 0.2 μ m filtered solution of 10mM HAc-NH ₄ Ac, 4% D-Mannitol, pH 4.0.
Size	10 μ g/50 μ g/500 μ g/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/ μ g as determined by LAL test.
Predicted Mol Mass	13.3 KDa
Apparent Mol Mass	13 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 50mM Acetic Acid. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
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) super-family 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.

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