



Recombinant Protein Technical Manual
Recombinant Human/Mouse/Rat BMP-2 Protein
RPES0494

Product Data:

Product SKU: RPES0494

Size: 10µg

Species: Rat

Expression host: E. coli

Uniprot: P12643

Protein Information:

Molecular Mass: 13.3 kDa

AP Molecular Mass: 12 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 10mM NH₄-HAC, pH4.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Gln283-Arg396

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.