Human/Rhesus macaque/Mouse/Rat/Canine BMP2 Protein

Catalog # BMP2-HP001 Form: Lyophilized

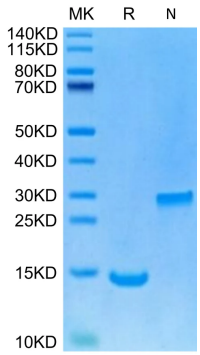
Product Details

Product description	Recombinant Human/Rhesus macaque/Mouse/Rat/Canine BMP2 Protein is expressed in E. coli without tag. It contains amino acid residues Gln283-Arg396 (Human/Rhesus macaque) / Gln279-Arg393 (Mouse/Rat) / Gln282-Arg395 (Canine) (accession: P12643(Human) / G7N2Y0(Rhesus macaque) / P21274(Mouse) / P49001(Rat) / A0A8I3PXE9(Canine)).
Molecular aliases	BMP-2; BMP-2A; BMP2A; BDA2; SSFSC;
Expression system	E. coli
Molecular weight	The protein has a predicted MW of 12.90 kDa same as Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin	Less than 0.5 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in 100mM Acetic Acid (pH 2.8). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in 100mM Acetic Acid (pH 2.8). Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Human/Rhesus macaque/Mouse/Rat/Canine BMP2 on Bis-Tris PAGE under Non reduced (N) condition and reduced condition. The purity is greater than 95%.