

Catalog Number: HZ-1045

Data Sheet



HumanKine® BMP-4 (Recombinant Human)

Animal Component-Free

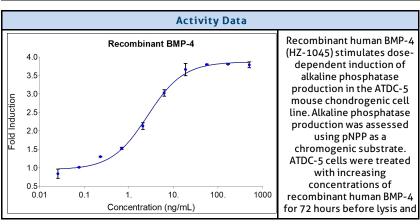
Human cell expressed

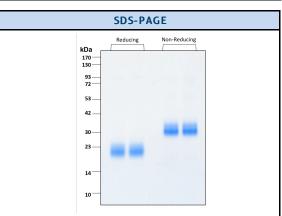
Tag-Free

Endotoxin Free

Product Description				
Animal-free Recombinant Human BMP-4 is expressed in human 293 cells as a disulfide linked homodimeric glycoprotein with an apparent molecular mass of 34 kDa. This cytokine is produced in a serum-free, chemically defined media.				
Alternative Names	BMP 2B, BMP 4, BMP2B, BMP2B1, BMP4, BMP-4, Bone morphogenetic protein 2B, bone morphogenetic protein 4, DVR4, MCOPS6, ZYME			
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived BMP-4 protein			

Specifications					
Test	Method	Specification			
Activity	Dose-dependent induction of alkaline phosphatase production in the ATDC-5 cell line (mouse chondrogenic cell line) 1.5-9 ng/ml				
Molecular Mass	SDS-PAGE	32 to 38 kDa, homodimer, glycosylated			
Purity	SDS-PAGE	>95%			
Endotoxin	LAL	<1 EU/µg			





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	Preparation				
Shipping Temperature ambient temperature					
Formulation	Formulation 2x PBS + 6% Ethanol, See Certificate of Analysis for details				
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 4 mM HCl containing 0.1% endotoxin-free recombinant human serum albumin (HSA).				

	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
Stability and Storage	Lyophilized	Room Temperature	2 weeks
_	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
		Avoid repeated freeze-thaw cycles.	

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