

GMP Recombinant Porcine BMP4 Protein, His-Tagged

Cat. No. BMP4-01P Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine BMP4 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	Bone morphogenetic protein 4 is a protein that in humans is encoded by BMP4 gene. BMP4 is found on chromosome 14q22-q23. BMP4 is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. BMP4 is highly conserved evolutionarily. BMP4 is found in early embryonic development in the ventral marginal zone and in the eye, heart blood and otic vesicle.
Form	Lyophilized
AA Sequence	MREKQPNYGLAIEVTHLHQTRTHQGQHVRISRSLPQGSQDWAQLRPLLVTFGHDG RGHALTRRRRAKRSPKHHPQRARKKNKNCRRHSLYVDFSDVGWNDWIVAPPGYQ AFYCHGDCPFPLADHLNSTNHAIVQTLVNSVNSSIPKACCVPTELSAISMLYLDEYDK VVLKQYQEMVVEGCGC with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

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Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	BMP4 bone morphogenetic protein 4 [<i>Sus scrofa</i> (pig)]
Official Symbol	BMP4
Gene ID	100113425
mRNA Refseq	NM_001101031.2
Protein Refseq	NP_001094501.1
UniProt ID	A0A4X1WD52

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