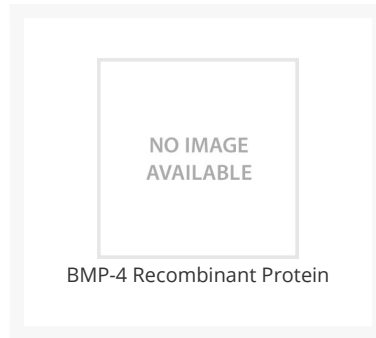




BMP-4 Recombinant Protein

Cat. No.: 40-615



Ψ Specifications

SPECIES:	Murine
SOURCE SPECIES:	E. coli
SEQUENCE:	KKNKNCRRHS LYVDFSDVGW NDWIVAPPGY QAFYCHGDCP FPLADHLNST NHAIVQTLVN SVNSSIPKAC CVPTELSAIS MLYLDEYDKV VLKNYQEMVV EGCGCRKKNK NRRHSLYVD FSDVGWWDWI VAPPGYQAFY CHGDCPFPLA DHLNSTNHAI VQTLVNSVNS SIPKACCVPT ELSAISMLYL DEYDKVVLKN YQEMVVEGCG CR
TESTED APPLICATIONS:	

Ψ Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses.
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized BMP-4 recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted BMP-4 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing BMP-4 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	Bmp4
ALTERNATE NAMES:	Bmp-4, Bmp2b, Bmp2b1, Bmp2b-1, Bmp-4, Dvr-4, Bone morphogenetic protein 4, Bone morphogenetic protein 2B, BMP-4
ACCESSION NO.:	NP_031580.2
PROTEIN GI NO.:	121949823
GENE ID:	12159

Background and References

BACKGROUND:	Bone morphogenetic proteins (BMPs) constitute a subfamily within the TGF- β superfamily of structurally related signaling proteins. Members of this superfamily are widely distributed throughout the body and are involved in diverse physiological processes during both pre- and postnatal life. Like BMP-7, BMP-4 is involved in the development and maintenance of bone and cartilage. Reduced expression of BMP-4 is associated with a number of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. PeproTech's E.coli derived murine BMP-4 is a fully active homodimeric protein consisting of two 106 amino acid subunits which correspond to amino acids 303-408 of the full length BMP-4 precursor.
--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

ANTIBODIES FOR RESEARCH USE ONLY.

For additional information, visit ProSci's [Terms & Conditions Page](#).