

## **Product Information: Recombinant Human BMP-4, 50µg**

### **1. Introduction**

BMP-4 (Bone morphogenetic protein-4) is a protein that plays an important role in metabolism of bone and cartilage. And many organ cells are influenced by BMP-4 signal.

In addition, BMP-4 has been shown to be involved in the progression of diseases, such as bone diseases.

Recombinant Human BMP-4 is a 24.1kDa, disulfide-linked homodimeric protein consisting of two 107 amino acid polypeptide chains. It corresponds to amino acids 303-408 of the full-length BMP-4 precursor with an N-terminal Met.

Source: *E. coli*

Amino Acids Sequence:

MKKNKNCRRH SLYVDFSDVG WNDWIVAPPG YQAFYCHGDC PFPLADHLNS  
 TNHAIVQTLV NSVNSSIPKA CCVPTLSAI SMLYLDEYDK VVLKNYQEMV  
 VEGCGCR



### **2. Materials Provided**

Component	Volume	Storage
Recombinant Human BMP-4, 50µg (0.1 mg/ml)	500 µl	Store at -80°C

### **3. Preparation for Use**

Recombinant Human BMP-4 is provided frozen and can be stored at -80°C until use. Before use, this frozen product should be thawed on ice. Avoid repeated freeze-thaw cycles.

### **4. Precaution and Disclaimer**

Recombinant Human BMP-4 is for research use only and is not for diagnostic use, therapeutic use (including clinical research), or as a food. BMP-4 is dissolved in 20mM Glycine buffer (0.2 µm filtered).

### **5. Contact the following department for product information:**

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