



Optimize Your Research

# Recombinant Human Bone Morphogenetic Protein 4 protein

## Code CD02240

**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

### Source

Escherichia coli.

### Molecular Weight

Approximately 13.3 kDa, a monomeric, non-glycosylated polypeptide chain containing 117 amino acids.

### Purity

> 95 % by SDS-PAGE and HPLC analyses.

### Biological Activity

Data is not available.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in 50 mM Na<sub>2</sub>CO<sub>3</sub>, 5 mM DTT, pH 11.0.

### Sequence

MSPKHHSQRA RKKNKNCRRH SLYVDFSDVG WNDWIVAPPG YQAFYCHGDC PFPLADHLNS TNHAIVQTLV NSVNSSIPKA  
CCVPTELSAI SMLYLDEYDK VVLKNYQEMV VEGCGCR

### Endotoxin

Less than 1 EU/µg of rHuBMP-4 as determined by LAL method.

### Reconstitution

1. Molecular standard (Western, ELISA) in studying secreted BMP-4; 2. Preparing antibodies for BMP-4 monomer; 3. Molecule standard in detecting secreted BMP-4 in reduced SDS-PAGE.

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