

**Technology:** [Bone morphogenic protein binding peptide](#)

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**Inventor:** Samuel Murray

**Location:** Palo Alto, CA

**Topic:** Diagnostics

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The VA has joint ownership with The Regents of the University of California, Oakland

**Contact:** [lee.sylvers@va.gov](mailto:lee.sylvers@va.gov)

**Abstract:** A cyclized peptide designated BMP Binding Peptide (BBP) is a synthetic peptide that avidly binds rhBMP-2. BBP increases the overall osteogenic activity of rhBMP-2, increases the rate at which rhBMP-2 induces bone formation, and BBP induces calcification alone. Compositions and substrates including BBP, and methods of using BBP are useful in therapeutic, diagnostic and clinical applications requiring calcification and osteogenesis.