



BMP1 peptide (DAG-P0233)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is capable of inducing formation of cartilage in vivo. Although other bone morphogenetic proteins are members of the TGF-beta superfamily, this gene encodes a protein that is not closely related to other known growth factors. This gene is expressed as alternatively spliced variants that share an N-terminal protease domain but differ in their C-terminal region. [provided by RefSeq, Aug 2008]
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

Gene Name	BMP1 bone morphogenetic protein 1 [Homo sapiens (human)]
Official Symbol	BMP1
Synonyms	BMP1; bone morphogenetic protein 1; PCP; TLD; OI13; PCP2; PCOLC; mammalian tolloid protein; procollagen C-proteinase 3; procollagen C-endopeptidase;

Entrez Gene ID	649
mRNA Refseq	NM_001199.3
Protein Refseq	NP_001190.1
UniProt ID	P13497
Chromosome Location	8p21.3
Pathway	Adipogenesis, organism-specific biosystem; Anchoring fibril formation, organism-specific biosystem; Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Cardiac Progenitor Differentiation, organism-specific biosystem; Collagen biosynthesis and modifying enzymes, organism-specific biosystem; Collagen formation, organism-specific biosystem; Crosslinking of collagen fibrils, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific
Function	calcium ion binding; cytokine activity; growth factor activity; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding;