

Bioactive

BMP3 (Human) Recombinant Protein

Catalog # P8472

Size 50 ug

Specification

Product Description	Human BMP3 (P12645) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	QWIEPRNCARRYLKVDFADIGWSEWIISPKSFDAYYCSGACQFPMPKSLKPSNHATIQSIVRAVGV VPGIPEPCCVPEKMSSLSILFFDENKNVVLKVYPNMTVESCACR.
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	24.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by HPLC and SDS PAGE
Activity	The ED ₅₀ as determined by the ability to inhibit BMP-2-induced activity in murine MC3T3- E1 cells.
Storage Buffer	BMP-3 protein was lyophilized from a 0.2um filtered concentrated solution in 30% Acetonitrile and 0.1% TFA.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — BMP3

Entrez GeneID

[651](#)

Protein Accession#	P12645
Gene Name	BMP3
Gene Alias	BMP-3A
Gene Description	bone morphogenetic protein 3
Omim ID	112263
Gene Ontology	Hyperlink
Gene Summary	BMP3 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein, also known as osteogenin, induces bone formation. [provided by RefSeq]
Other Designations	bone morphogenetic protein 3 (osteogenic) bone morphogenetic protein-3 osteogenin

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)