

Bioactive

BMP2 (Human/Mouse/Rat) Recombinant Protein

Catalog # P6316

Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human/Mouse/Rat INHBA (P12643/P21274/P49001) recombinant protein expressed in <i>E.Coli</i> .
Sequence	MQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWVAPPGYHAFYCHGECFPFLADHLNSTNHAI QTLVNSVNSKIPKACCVPTLSAISMLYLDENEKVVLKNYQDMVVEGCGCR
Host	Escherichia coli
Theoretical MW (kDa)	13.0/26.1
Form	Lyophilized
Preparation Method	This product is produced with no animal or human origin raw products. All processing and handling employs animal free equipment and animal free protocols.
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED ₅₀ <= 250 ng/mL Alkaline phosphatase activity induced in ATDC-5 cells The values provided above are minimum expected values to pass internal requirements.
Quality Control Testing	Reducing and Non-Reducing SDS PAGE

Conformation	Dimer
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage Instruction	Stored at -20°C to -80°C for 12 month. After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Western Blot
- Functional Study

Gene Info — BMP2

Entrez GeneID	650
Protein Accession#	P12643/P21274/P49001
Gene Name	BMP2
Gene Alias	BMP2A
Gene Description	bone morphogenetic protein 2
Omim ID	112261 235200
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation. [provided by RefSeq]
Other Designations	OTTHUMP00000030228

Gene Info — Bmp2

Entrez GeneID	12156
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Protein Accession#	P12643/P21274/P49001
Gene Name	Bmp2
Gene Alias	AI467020, Bmp2a
Gene Description	bone morphogenetic protein 2
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000016666

Gene Info — Bmp2

Entrez GeneID	29373
Protein Accession#	P12643/P21274/P49001
Gene Name	Bmp2
Gene Alias	-
Gene Description	bone morphogenetic protein 2
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- [Basal cell carcinoma](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Abortion](#)

- [Asthma](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Sudden Infant Death](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)