BMP2 (Human) Recombinant Protein

Catalog # P8471 Size 20 ug

Specification

Product Description	Human BMP2 (P12643, 283 a.a. - 396 a.a.) partial-length recombinant protein expressed in *Escherichia coli*.
Sequence	MQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPLADHLNSTNHAIV QTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVLKNYQDMVVEGCGCR.
Host	Escherichia coli
Theoretical MW (kDa)	13
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE
Storage Buffer	BMP-2 solution contains 10mM NaAc pH=3.5 and 10% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — BMP2

Entrez GeneID	650
Protein Accession#	P12643
Gene Name	BMP2
Gene Alias	BMP2A

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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

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

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- 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

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