

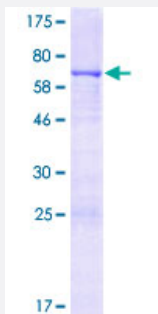
Full-Length

BMP2 (Human) Recombinant Protein (P01)

Catalog # H00000650-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BMP2 full-length ORF (AA148690.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVAGTRCLLALLLPQVLLGGAAGLVPELGRRKFAAASSGRPSSQPSDEVLSEFELRLLSMFGLK
QRPTPSRDVPPYMLDLYRRHSGQPGSPAPDHLERAASRANTVRSFHHEESLEELPETSGKT
TRRFFFNLSIPTEEFITSDELQVFREQMQDALGNNSSFHHRINIYEIKPATANSKFPVTRLLDTRLV
NQNASRWESFDVTPAVMRWTAQGHANHGFFVEVAHLEEKQGVSKRHVRISRSLHQDEHSWSQI
RPLLVTFGHDGKGHPLHKREKRQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWVAPPGYHAF
YCHGECFPPLADHLNSTNHAVQTLVNSVNSKIPKACCVPTLSAISMLYLDENEKVVLKNYQDMV
VEGCGCR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.51

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BMP2

Entrez GeneID	650
GeneBank Accession#	BC148689
Protein Accession#	AA48690.1
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

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](#)