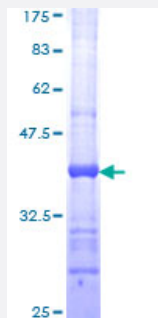


BMP2 (Human) Recombinant Protein (Q01)

Catalog # H00000650-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human BMP2 partial ORF (NP_001191, 283 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPLADHLNSTNHANQ TLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVVLKNYQDMVVEGCGCR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.28
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#	NM_001200
Protein Accession#	NP_001191
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

Publication Reference

- [Engineered Kidney Tubules for Modeling Patient-Specific Diseases and Drug Discovery.](#)

Benedetti V, Brizi V, Guida P, Tomasoni S, Ciampi O, Angeli E, Valbusa U, Benigni A, Remuzzi G, Xinaris C. EBioMedicine 2018 Jul; 33:253.

Application: Func, Human, Human induced pluripotent stem cells

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](#)