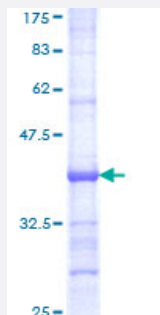


BMP6 (Human) Recombinant Protein (Q01)

Catalog # H00000654-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human BMP6 partial ORF (NP_001709, 382 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QQSRNRSTQSQDVARVSSASDYNSELKTACRKHELVSFQDLGWQDWIAPKGYAANYCDGE CSFPLNAHMNATNHAIQTLVHLMNPE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (93); Rat (96)
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 — BMP6

Entrez GeneID [654](#)

GeneBank Accession# [NM_001718](#)

Protein Accession# [NP_001709](#)

Gene Name BMP6

Gene Alias VGR, VGR1

Gene Description bone morphogenetic protein 6

Omim ID [112266](#)

Gene Ontology [Hyperlink](#)

Gene Summary The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity. [provided by RefSeq]

Other Designations OTTHUMP00000016006|Vg1-related sequence|vegetal related growth factor (TGFB-related)|vegetal-related (TGFB related) cytokine

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)

- [TGF-beta signaling pathway](#)

Disease

- [Abortion](#)
- [Anemia](#)
- [Bacteremia](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)