BMP8B (Human) Recombinant Protein

Catalog # P8481 Size 20 ug

Specification

Product Description	Human BMP8B (P34820, 264 a.a. - 402 a.a) partial-length recombinant protein with His-tag at N-terminal expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSAVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLGWLDWVIAPQGYSAYYCEGECSFPLDSCMNATNHAILQSLVHLMMPDAVPKACCAPTKLSATSVLYYDSSNNVILRKHRNMVVKACGCH.
Host	Escherichia coli
Theoretical MW (kDa)	18.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Storage Buffer	BMP8B protein solution (1mg/mL) containing 20mM Tris-HCl buffer (pH8.0), 0.4M Urea 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 — BMP8B

Entrez GeneID	656
Protein Accession#	P34820
Gene Name	BMP8B

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Gene Alias	BMP8, MGC131757, OP2
Gene Description	bone morphogenetic protein 8b
Omim ID	602284
Gene Ontology	Hyperlink
Gene Summary	The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can in duce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) su perfamily. BMPs were originally identified by an ability of demineralized bone extract to induce en dochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryo genesis, the BMP encoded by this gene has a proposed role in early development. In addition, th e fact that this BMP is closely related to BMP5 and BMP7 has led to speculation of possible bone inductive activity. [provided by RefSeq
Other Designations	OTTHUMP00000010836|bone morphogenetic protein 8 (osteogenic protein 2)|bone morphogen etic protein 8B|dJ118J21.1 (bone morphogenetic protein 8 (osteogenic protein 2))|osteogenic pr otein 2

Pathway

- Cytokine-cytokine receptor interaction
- Hedgehog signaling pathway
- TGF-beta signaling pathway

Disease

- Disease Progression
- Genetic Predisposition to Disease
- Hepatitis C
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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- Viremia

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