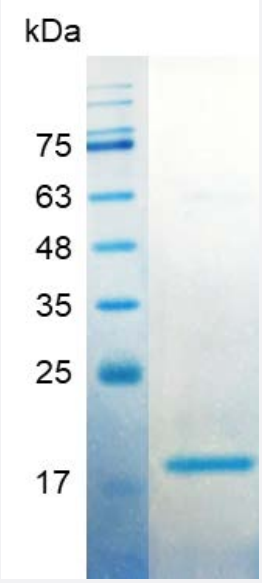
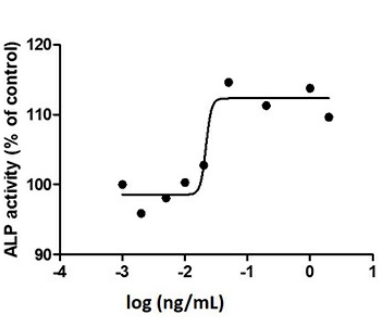
BMP8B (Human) Recombinant Protein

Catalog # P7799 Size 20 ug

Applications



SDS-PAGE analysis of BMP8B (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human BMP8B recombinant protein with polyhistidine tag at the N-terminus expressed in *Escherichia coli*.
Sequence	AVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLGWLDWVIAPQGYS AYYCEGECSFPLDSCMNATNHAILQSLVHLMMPDAVPKACCAPTKLSATSVLYYDSSNNVILRKH RNMVVKACGCH with polyhistidine tag at the N-terminus.
Host	Escherichia coli

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Specificity	23
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.01 EU/ ug of protein by the LAL method.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of BMP8B (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. Reconstitute the ly ophilized powder in ddH_2O to a concentration not less than 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at-20°C to -80°C. Th is product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — BMP8B

Entrez GeneID	656
Gene Name	BMP8B
Gene Alias	BMP8, MGC131757, OP2
Gene Description	bone morphogenetic protein 8b
Omim ID	602284

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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
- Viremia

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