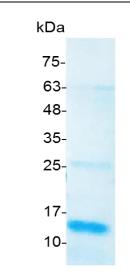


BMP-3 (Bone morphogenetic protein-3), Human

v. 231001

Descriptionthat is encoded by the BMP3 gene. The protein encoded by this gene is a member of the transforming growth factor-beta superfamily. It, like other born morphogenetic proteins (BMP's), is known for its ability to induce bone an cartilage development. It is a disulfide-linked homodimer. It negatively regulate bone density. BMP3 is an antagonist to other BMP's in the differentiation costeogenic progenitors. It is highly expressed in fractured tissues.SourceEscherichia coliSequenceMQWIEPRNCARRYLKVDFADIGWSEWIISPKSFDAYYCSGACQFPMPKSLKPS NHATIQSIVRAVGVVPGIPEPCCVPEKMSSLSILFFDENKNVVLKVYPNMTVESC ACR with polyhistidine tag at the C-terminusEndotoxin level<0.1 EU per 1 µg of the protein by the LAL method.		
Bone morphogenetic protein 3, also known as osteogenic, is a protein in human that is encoded by the BMP3 gene. The protein encoded by this gene is a membe of the transforming growth factor-beta superfamily. It, like other bon morphogenetic proteins (BMP's), is known for its ability to induce bone an cartilage development. It is a disulfide-linked homodimer. It negatively regulate bone density. BMP3 is an antagonist to other BMP's in the differentiation costeogenic progenitors. It is highly expressed in fractured tissues. Source Escherichia coli MQWIEPRNCARRYLKVDFADIGWSEWIISPKSFDAYYCSGACQFPMPKSLKPS Sequence MQWIEPRNCARRYLKVDFADIGWSEWIISPKSFDAYYCSGACQFPMPKSLKPS NHATIQSIVRAVGVVPGIPEPCCVPEKMSSLSILFFDENKNVVLKVYPNMTVESG ACR with polyhistidine tag at the C-terminus Endotoxin level <0.1 EU per 1 µg of the protein by the LAL method. Activity Measure by its ability to induce alkaline phosphatase production by ATDC5 cells The ED ₅₀ for this effect is <9.5 ng/mL. Purity >95% as determined by SDS-PAGE. Form Lyophilized Storage Buffer Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate an 0.2 M NaCl, pH 3.5. Reconstitution It is recommended to reconstitute the lyophilized protein in 4 mM HCl to concentration not less than 200 µg/mL and incubate the stock solution for at leas 20 min to ensure sufficient re-dissolved. This product is stable after storage at: • -20°C for 12 months in lyophilized state from date of receipt.	Catalog number	C01063-5UG / C01063-20UG / C01063-100UG
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Activity The ED ₅₀ for this effect is <9.5 ng/mL.	Endotoxin level	<0.1 EU per 1 μ g of the protein by the LAL method.
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SDS-PAGE analysis of recombinant human BMP-3

For research use only.