

Human BMP-3 Recombinant Protein, PeproTech®

Product Details

Size	1 mg
Species	Human
Published Species	Mouse
Expression system	E. coli
Amino acid sequence	MQWIEPRNCA RRYLKVDFAD IGWSEWIISP KSFDAYYCSG ACQFPMPKSL KPSNHATIQS IVRAVGVVPG IPEPCCVPEK MSSLSILFFD ENKNVVLKVY PNMTVESCAC R
Molecular weight	25.2 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/μg
Activity	Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

Applications

Tested Dilution

Publications

Functional Assay (FN)	Assay-dependent	-
In vitro Assay (IV)	-	1 Publication

Product Specific Information

Recombinant Human BMP-3 is a disulfide-linked homodimeric protein that corresponds to residues 361 to 472 of the 472 amino acid BMP-3 precursor protein. The calculated molecular weight of Recombinant Human BMP-3 is 25.2 kDa.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

In vitro Assay (1)

Nature communications	Year 2023
Role of PDGFRA ⁺ cells and a CD55 ⁺ PDGFRA ^{Lo} fraction in the gastric mesenchymal niche.	Species Mouse
"120-24B was used in Cell Culture to shed light on spatial, molecular, and functional organization of gastric mesenchyme and the spectrum of signaling sources for epithelial support."	
Authors: Manieri E,Tie G,Malagola E,Seruggia D,Madha S,Maglieri A,Huang K,Fujiwara Y,Zhang K,Orkin SH,Wang TC,He R,McCarthy N,Shivdasani RA	

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