

Human BMP-5 Recombinant Protein, PeproTech®

Product Details

Size	2 x 250 µg
Species	Human
Published Species	Mouse, Human
Expression system	CHO cells
Amino acid sequence	AANKRKNQNR NKSSSHQDSS RMSSVGDYNT SEQKQACKKH ELYVSFRDLG WQDWIIAPEG YAAFYCDGEC SFPLNAHMNA TNHAIVQTLV HLMFPDHVPK PCCAPTKLNA ISVLYFDDSS NVILKKYRNM VVRSCGCH
Molecular weight	31.2 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 induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is 0.5-1.0 ug/ml.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	2 Publications

Product Specific Information

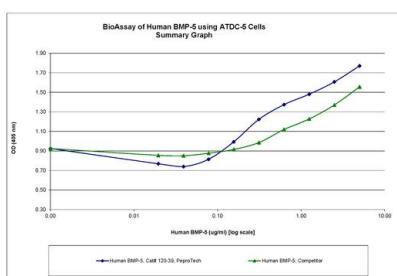
120-39-1MG will be provided as 4 x 250 µg (120-39-250UG).

120-39-500UG will be provided as 2 x 250 µg (120-39-250UG).

Recombinant Human BMP-5 is a 31.2 kDa homodimeric disulfide-linked protein consisting of two identical 138 amino acid chains.

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

Product Images For Human BMP-5 Recombinant Protein, PeproTech®



Human BMP-5 Protein (120-39-500) in Functional

Bioassay analysis of Human BMP-5 Recombinant Protein, PeproTech® (Product # 120-39-1MG).

2 References

In vitro Assay (2)

The Journal of experimental medicine

Year
2021

Tumor cells generate astrocyte-like cells that contribute to SHH-driven medulloblastoma relapse.

Species
Mouse

Authors: Guo D, Wang Y, Cheng Y, Liao S, Hu J, Du F, Xu G, Liu Y, Cai KQ, Cheung M, Wainwright BJ, Lu QR, Zhao Y, Yang ZJ

Oncogene

Year
2017

Oncostatin M promotes cancer cell plasticity through cooperative STAT3-SMAD3 signaling.

Species
Human

"120-39 was used in In vitro experiments to study the specific tumor microenvironment (TME) which most actively control cancer cell plasticity for metastasis."

Authors: Junk DJ, Bryson BL, Smigiel JM, Parameswaran N, Bartel CA, Jackson MW

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