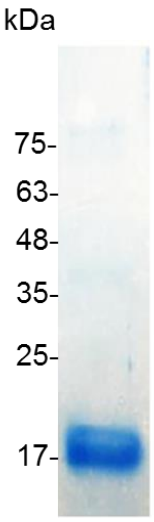
PRODUCT INFORMATION

BMP-13 (Bone morphogenetic protein-13), Human

Catalog number	C01074-5UG / C01074-20UG / C01074-100UG
Package	5 μg / 20 μg / 100 μg
Description	Bone morphogenetic proteins (BMPs) are a group of growth factors also known as cytokines and as metabologens. BMP13 is a growth factor which controls proliferation and cellular differentiation in the retina and bone formation. BMP13 has a central role in regulating apoptosis during retinal development.
Source	*Escherichia coli*
Sequence	MTAFASRHGKRHGKKSRLRCSKKPLHVNFKELGWDDWIIAPLEYEAYHCEGVC DFPLRSHLEPTNHAIIQTLMNSMDPGSTPPSCCVPTKLTPISILYIDAGNNVVYKQ YEDMVVESCGCR 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 63-240 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within two weeks after protein reconstitution.



SDS-PAGE analysis of recombinant human BMP-13

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