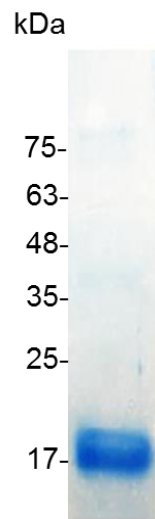


**BMP-13 (Bone morphogenetic protein-13), Human**

v. 231001

<b>Catalog number</b>	C01074-5UG / C01074-20UG / C01074-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	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.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MTAFASRHGKRHGGKSRRLRCSKKPLHVNFKELGWDDWIIAPLEYEAYHCEGVC DFPLRSHLEPTNHAIQTLMNSMDPGSTPPSCCVPTKLTPI SILYIDAGNNVVYK QYEDMVVESCGR with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED <sub>50</sub> for this effect is 63-240 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 2 weeks under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human BMP-13

*For research use only.*