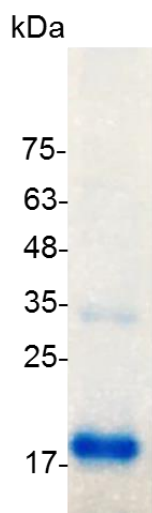


PRODUCT INFORMATION

BMP-14 (Bone morphogenetic protein-14), Human

Catalog number	C01075-5UG / C01075-20UG / C01075-100UG
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. BMP-14 is a principal inhibitor of cartilage development and is predominantly expressed in long bone during human embryonic development. Recombinant human BMP-14 is a 27 kDa homodimeric protein consisting of two 120 amino acid polypeptide chains.
Source	<i>Escherichia coli</i>
Sequence	MAPLATRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIIAPLEYEAFHCEGLC EFPLRSHLEPTNHAVIQTLMNMDPESTPPTCCVPTRLSPISILFIDSANNVVYK QYEDMVVESCGR 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 <14 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 ₂ O 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 one month after protein reconstitution.



SDS-PAGE analysis of recombinant human BMP-14

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