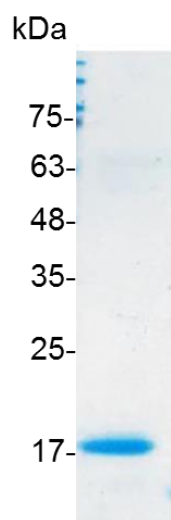


PRODUCT INFORMATION

BMP-8a (Bone morphogenetic protein-8a), Human

Catalog number	C01068-5UG / C01068-20UG / C01068-100UG
Package	5 µg / 20 µg / 100 µg
Description	Bone morphogenetic protein 8A (BMP8A) is a polypeptide member of the TGFβ superfamily of proteins. Like other BMPs, BMP8A is involved in the development of bone and cartilage. BMP8A may be involved in epithelial osteogenesis. It also plays a role in bone homeostasis. Human BMP-8a is synthesized as a large precursor protein that is cleaved at a dibasic cleavage site (RTPR) between aa residues 263 and 264 to release a 139 aa carboxy-terminal domain.
Source	<i>Escherichia coli</i>
Sequence	MAVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLG WLDWVIAPQGYSAYYCEGECFPLDSCMNATNHAILQSLVHLMKPNVAVPKACC APTKLSATSVLYYDSSNNVILRKHRNMVVKACGCH 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 10-19.4 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-8a

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