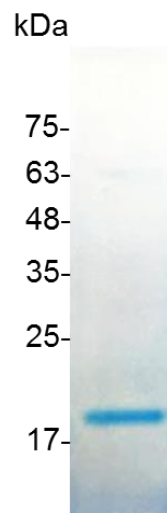


BMP-8b (Bone morphogenetic protein-8b), Human

v. 231001

Catalog number	C01069-5UG / C01069-20UG / C01069-100UG
Package	5 µg / 20 µg / 100 µg
Description	Bone morphogenetic protein 8B is a protein that in humans is encoded by the BMP8B gene. The protein encoded by this gene is a member of the TGF-β superfamily. It has close sequence homology to BMP7 and BMP5 and is believed to play a role in bone and cartilage development. BMP-8b, in contrast, is required for both the initiation and maintenance of spermatogenesis.
Source	<i>Escherichia coli</i>
Sequence	AVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLGW LDWVIAPQGYSAYYCEGECFSFPLDSCMNATNHAILQSLVHLMMPDAVPKACCA PTKLSATSVLYYDSSNNVILRKHRNMVVKACGCH with polyhistidine tag at the N-terminus
Endotoxin level	<0.01 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 <21.8 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Reconstitution	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.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human BMP-8b

For research use only.