BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Human recombinant BMP-10 (Bone morphogenetic protein-10) protein, AF

Catalog Number: PROTO95393-2

Submit a product review to Biocompare.com





Submit a review of this product to Biocompare.com to receive a $20 Amazon giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Human recombinant BMP-10 (Bone morphogenetic protein-10) protein, AF
Description	Bone Morphogenetic Protein-10 (BMP-10) is an extracellular multifunctional signaling cytokine that is also a member of the TGFbeta family. BMP-10 can bind with TGFbeta receptor and is involved in SMAD protein signal transduction. The functions related to bone generation can induce bone and cartilage formation. Different from other family members, BMP-10 is a novel protein involved in the heart's trabeculation.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 13.10 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED_{50} for this effect is 1.7-2.1 ng/mL.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MNAKGNYCKRTPLYIDFKEIGWDSWIIAPPGYEAYECRGVCNYPLAEHLTPTKHAIIQALVHLKNSQKASKACCVPTKLEPISILYLDKGVVTYKFKYEG MAVSECGCR with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Human recombinant BMP-10 (Bone morphogenetic protein-10) protein, AF

For Research Use Only. Not for use in diagnostic procedures.