



dhpsupply.com
800.626.2163

CITAGENIX

ProtFactor™



Product Description

What ProtFactor is:

Allograft derived growth factors that can be added to the dentists' bone graft of choice.

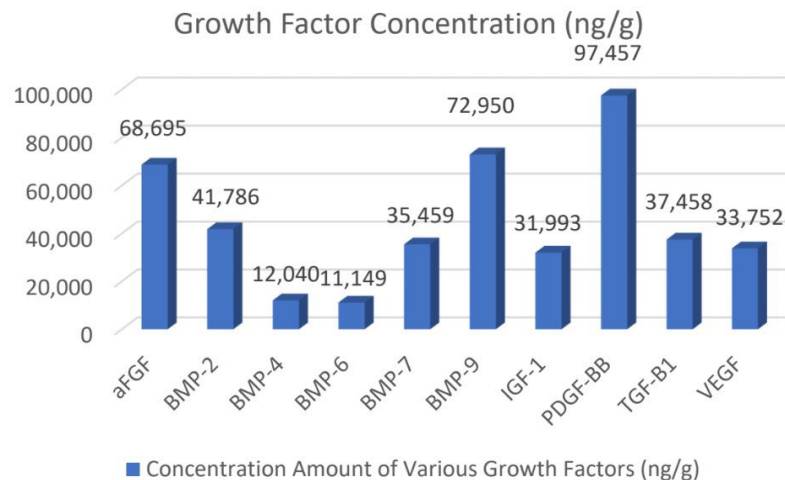
- Plentiful Proteins: Contains close to 1,000 proteins including, but not limited to, BMP-2, PDGF, TGF- β 1, and VEGF.
- Sustained release of growth factors compared to the burst release of rhBMP-2 seen with Infuse
- Highest non-recombinant BMP-2 content on the market.



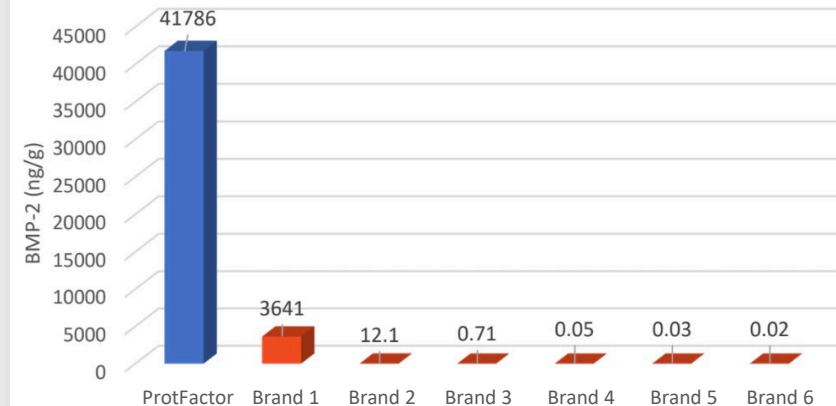


ProtFactor - Growth Factors

ProtFactor: Amounts of Various Growth Factors



BMP-2 Amounts in Various Biologics



- A competitor brand delivers very high, focused levels of a single growth factor (rhBMP-2) designed to trigger bone growth aggressively.
- ProtFactor delivers a broad spectrum of natural growth factors at lower, physiologic levels, supporting healing more holistically but not as aggressively.



ProtFactor – Features and Benefits



Features	Benefits
Allograft	Not limited in indications
Contains the highest amounts of BMP-2, BMP-4, BMP-7, TGF- β 1, VEGF, aFGF, bFGF, PDGF-BB on the market	Provides osteinductive, angiogenic, chemotactic and proliferative properties
BMP-2 concentration of 41 μ g/ml	Highest amount of non recombinant BMP-2 in the market
Naturally derived allogenic	Safer alternative to rhBMP-2 (Infuse). Physiological levels of growth factor versus ultrahigh 'super physiological' doses like rhBMP-2



ProtFactor – Features and Benefits



Features	Benefits
Can be used with any FDA approved scaffold	Adds high osteoinductivity to scaffolds. Physicians have flexibility to use their preferred scaffold & its handling properties they prefer. Provides flexibility on case cost (i.e., cancellous chips, etc.).
No refrigeration required.	No special storage requirements. Off the shelf and ready to use with a short preparation time (15 mins).
5-year shelf life	Helps eliminate product waste.



About the product

ProtFactor™ is a natural, allograft-derived protein supplement that significantly enhances bone regeneration by mimicking the body's natural healing process.

It offers:

- A **comprehensive protein profile** with nearly 1,000 biologically active molecules
- Controlled, sustained release for **natural healing**
- Flexibility to work with the **scaffold of the clinician's choice**
- Safe, convenient, **room-temperature storage**

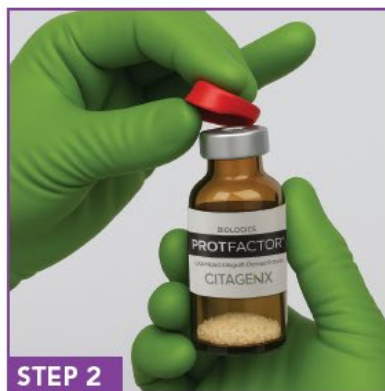


Product preparation guide



STEP 1

Using sterile technique, open the outer pouch and place the inner pouch into the sterile field.



STEP 2

Remove the red cap from the vial.



STEP 3

Inject sterile water or sterile saline into the vial using a needle and syringe.*



STEP 4

Swirl gently and invert to mix thoroughly.



STEP 5

Pull up on the metal ring to remove it, then lift off the rubber stopper.



STEP 6

Withdraw the reconstituted liquid with a needle and syringe.



STEP 7

Dispense the liquid evenly onto the selected scaffold.



STEP 8

Let stand for at least 15 minutes to allow binding of growth factors.

* Syringe, needle, sterile water and/or sterile saline not included in packaging. ** Product stored under vacuum.



How is it different from the competitor's brands?

- ProtFactor™ distinguishes itself in the field of bone regeneration by incorporating a **comprehensive array of growth factors.**
- It mimics the natural healing environment with a broad spectrum of native signals
- ProtFactor™ also contains NO recombinant growth factors
 - *Recombinant Growth Factors are artificially produced proteins created in a lab to mimic natural human proteins.*
- Other growth factor products used in the dental industry contain recombinant growth factors, which can come with several risks, limitations and concerns.
 - *Risks can include but are not limited to: bone formation in unintended areas (which may lead to pain and nerve compression), functional issues and localized inflammation or immune responses*

✓ ProtFactor™ vs. Other Brands

Feature	ProtFactor™	Other Brands
Growth Factor Profile	● Full, natural array: BMPs, PDGF, VEGF, TGF- β , and more	● Usually only one growth factor (e.g., BMP-2 or PDGF)
BMP-2 Concentration	● 41,786 ng/g (natural)	● Often <12 ng/g (if any) or recombinant only
Scaffold Flexibility	● Works with any scaffold (allograft, synthetic, etc.)	● Limited to specific devices or requires proprietary carrier
Handling & Storage	● Easy to use, room temperature, ready-to-go	● Some need refrigeration, mixing, or special equipment
Safety Profile	● Natural human levels = safe and predictable	● Recombinant products may cause inflammation or edema
Cost-Effectiveness	● Excellent value: powerful + affordable	● Often high-cost with narrow indications

🏆 Why ProtFactor™ Stands Above the Rest

- Most complete natural growth factor profile on the market.
- Highest BMP-2 levels among natural grafts, without recombinant complications.
- It delivers a broad spectrum of natural growth factors at lower, physiologic levels, supporting healing more holistically but not as aggressively.
- Flexibility to work with the scaffold of the clinician's choice





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