

KAIA PEPTIDES — PRODUCT SHEET

Sermorelin Acetate

GHRH Analog – Natural GH Pulsing, Recovery, Sleep-Based Repair & Healthy Aging Pathways

What It Is

Sermorelin Acetate is a **Growth Hormone–Releasing Hormone (GHRH) analog** researched for its ability to:

- Stimulate natural GH pulsatile release
- Support IGF-1 pathway activity
- Enhance nighttime tissue repair
- Improve recovery and regeneration
- Support healthy body composition
- Promote restorative sleep cycles

It is shorter-acting than CJC-1295 (No DAC), giving it a **clean, controlled GH pulse rhythm** similar to youthful GH patterns.

Understanding Sermorelin — A Metaphorical Story

Imagine your body as a massive factory that performs its deepest repairs every night.

Inside the factory:

- Machines run all day (muscles, joints, metabolism)
- Wear and tear builds up
- Systems slow under strain
- Some engines need new parts

The repair crew is supposed to clock in at night when natural GH pulses fire.

But as the body ages or stress increases:

- The shift whistle becomes faint
- Workers show up late
- Repairs get rushed
- Some jobs never get finished

Now imagine someone arrives who knows exactly how to restart the night shift.

That someone is Sermorelin.

• **Sermorelin Blows the Night Shift Whistle (stimulates GH release)**

It steps into the intercom room and announces:

“Night crew — report to all stations!”

A natural GH pulse fires, just like in younger physiology.

• **It Follows a Natural Rhythm (short-acting GH pulse)**

Sermorelin doesn't linger or overstimulate.

It simply triggers a precise, biologically-timed GH pulse and then clears — allowing the body to work in **clean, youthful rhythms**.

• **It Gives Workers the Tools They Need (IGF-1 pathway support)**

Once GH activates, the body receives:

- Better recovery signals
- Enhanced tissue repair
- Improved cell rebuilding
- More efficient regeneration

The crew works smarter, not harder.

• **It Enhances Sleep-Based Restoration**

Most GH release occurs during deep sleep.

A stronger pulse means:

- Deeper recovery
- More complete repairs
- Reduced soreness
- Higher morning readiness

The entire night shift runs at full power again.

The Result: A More Efficient Repair & Recovery System

With Sermorelin:

- GH pulses strengthen
- Nighttime healing improves
- Tissues repair more efficiently
- Metabolic health supports recovery
- Sleep becomes more restorative

This is the simplest way to visualize Sermorelin's role in GH-related research.

Primary Research Benefits

(Summarized from published scientific literature)

• GH Pulse Activation

- Stimulates pituitary GH release
- Short-acting = natural pulse patterns
- Supports youthful GH rhythm

• Enhanced Recovery & Tissue Repair

- Encourages muscle repair
- Supports connective-tissue regeneration
- Aids post-exercise or performance recovery

• Sleep-Based Healing

- GH peaks during deep sleep

- May improve recovery quality

- **Healthy Aging Pathways**

- Supports IGF-1 modeling
- May assist in preserving lean tissue
- Supports metabolic balance

- **Low Side-Effect Profile**

- Highly selective for GH receptor
 - Does **not** significantly impact cortisol or prolactin
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Common Research Use Cases

- GH pulsatility research
 - Anti-aging and longevity models
 - Muscle, tendon, and soft-tissue recovery studies
 - Sleep-quality & regeneration research
 - Metabolic regulation exploration
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Typical Research Protocols (Literature-Based)

(For educational/reference purposes; not medical advice)

- **Duration:** 8–12 weeks
 - **Frequency:** 1–2× daily
 - **Vial:** Sermorelin Acetate
 - **Reconstitution:** With bacteriostatic water
 - **Route:** Subcutaneous in research models
 - **Timing:** Often before bed for GH rhythm studies
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Storage & Stability

- Store lyophilized at **2–8°C**
- Use within **30 days** after reconstitution
- Keep away from heat, moisture, and direct light

Safety Profile (Research-Based Notes)

- Short-acting, clean GH stimulation
- Non-stimulatory
- No cortisol or prolactin spikes
- Considered safe and well tolerated in available research

Format

- **Sermorelin Acetate lyophilized powder**
- Research Use Only
- Purity: **≥99%** (third-party verified)

Legal & Compliance

For Research Use Only. Not for human consumption.

Not approved by the FDA to diagnose, treat, cure, or prevent any disease.