

“Immune Defense Spray” TA1 + LL37 (10mg/10mg) NASAL SPRAY

Immune Defense Spray combines **Thymosin Alpha-1 (TA1)** and **LL37**, two powerful peptides designed to strengthen your immune system, combat infections, and promote overall health. This advanced nasal spray is the perfect solution for individuals seeking enhanced immune resilience, reduced inflammation, and support in fighting off pathogens. Convenient and fast-acting, Immune Defense Spray helps you stay protected and feel your best.

HOW IT WORKS / MECHANISM OF ACTION

TA1 is a peptide that stimulates the production and activation of T-cells, the body's front-line defense against infections. It enhances immune response, boosts resistance to pathogens, and helps modulate the immune system to prevent overactivity or autoimmune responses. **LL37** is an antimicrobial peptide that destroys harmful pathogens, including bacteria, viruses, and fungi. It also has anti-inflammatory properties, reducing tissue damage caused by infection and promoting faster recovery. LL37 supports skin and mucosal defenses, offering protection at key entry points for pathogens. Together, TA1 and LL37 provide a comprehensive immune defense, boosting your body's ability to fight off infections while reducing inflammation and supporting recovery.

BENEFITS

- **Enhanced Immunity:** Strengthens the immune system to ward off infections and illnesses.
- **Faster Recovery:** Reduces recovery time from infections, injuries, or surgeries.
- **Antimicrobial Protection:** Fights bacteria, viruses, and fungi, reducing the risk of infection.
- **Inflammation Reduction:** Minimizes inflammation to promote healing and protect tissues.
- **Supports Respiratory Health:** Ideal for respiratory infections and immune challenges.
- **Autoimmune Modulation:** Helps balance immune activity, reducing the risk of autoimmune flare-ups.

IDEAL FOR THOSE LOOKING TO:

- Boost immunity during cold and flu seasons.
- Recover from infections, injuries, or surgeries.
- Support respiratory health and reduce sinus infections.
- Reduce inflammation and promote healing.
- Address chronic infections or immune imbalances.

EXPECTED EFFECTS AND TIMELINE OF BENEFITS

- **1-2 Weeks:** Improved energy levels, reduced fatigue, and enhanced immune response.
- **4-6 Weeks:** Noticeable reductions in inflammation and quicker recovery from infections or injuries.
- **8-12 Weeks:** Enhanced resilience to infections and sustained immune support for long-term health.

CONTRAINDICATIONS

- **Known Allergies or Sensitivities:** Avoid if you have known allergies to any components of the spray.
- **Pregnant or Breastfeeding Women:** The safety of this spray during pregnancy or breastfeeding has not been established.

HOW TO USE

1. Shake the bottle gently before use.
2. Remove cap and hold the bottle upright.
3. Insert the nozzle into one nostril, close the other nostril, and press down on the pump to spray.
4. Administer **1-2 sprays** per nostril.
5. Breathe gently through the nostril after each spray to ensure absorption.
6. Wipe the nozzle after use and replace the cap.
7. Store in the fridge until next use.

DOSING: **1-2 sprays** per nostril. 0.8 mg **TA1** + 0.8 mg **LL37** per spray.

FREQUENCY: **5 days** weekly.

TIMING: This spray can be taken in the morning or evening.

RECOMMENDED CYCLES: 3 months on, 1 month off. 3 cycles per year.

BOTTLE DETAILS: 10 mg TA1, 10 mg LL37, 15 mL per bottle. Lasts about 6 weeks.

STORAGE AND SHELF LIFE: Store in the refrigerator when not in use. *Shelf life:* 6 months when refrigerated.

POTENTIAL SIDE EFFECTS

- **Nasal Irritation:** Mild dryness or itching in the nasal passages.
- **Headache or Fatigue:** Rare and usually temporary during the adjustment phase.
- **Flu-like Symptoms:** Some users may experience mild symptoms as the immune system activates.

TIPS TO REDUCE SIDE EFFECTS

- **Start Low:** Begin with 1 spray per nostril to assess tolerance before increasing to the full dose.
- **Stay Hydrated:** Drink plenty of water to support immune function and reduce headaches.
- **Nasal Moisturizer:** Use a saline spray to alleviate nasal dryness or irritation.
- **Consult Your Provider:** Regular check-ins ensure optimal dosing and effectiveness.

Contact Us if you experience:

- Persistent nasal irritation or burning.
- Severe headache or dizziness.
- Unusual or prolonged symptoms of discomfort.