

MOTS-C

Mitochondrial Open Reading Frame Peptide

Metabolic Powerhouse & Longevity Peptide

WHAT IS MOTS-C?

MOTS-C is a groundbreaking mitochondria-derived peptide encoded in the mitochondrial genome. Discovered in 2015, it is one of the most exciting longevity and metabolic peptides in modern medicine. MOTS-C acts as a metabolic regulator, traveling from the mitochondria to the cell nucleus to regulate gene expression in response to metabolic stress — essentially acting as the body's internal metabolic optimizer.

KEY BENEFITS

- Dramatically improves insulin sensitivity and glucose metabolism
- Enhances fat burning and reduces metabolic dysfunction
- Increases mitochondrial energy production (more ATP)
- Promotes longevity at the cellular level
- Improves exercise performance and physical endurance
- Reduces age-related muscle loss (sarcopenia)
- Supports healthy aging and anti-inflammatory pathways
- Potent metabolic support when used with GLP-1 medications

HOW IT WORKS

MOTS-C activates the AMPK pathway — the body's master energy sensor — which improves how cells use glucose and fatty acids for fuel. It also reduces the accumulation of toxic intermediary metabolites that cause insulin resistance. By acting directly on mitochondria, it improves the efficiency of energy production, making every cell in the body function more optimally.

WHY IT'S PAIRED WITH GLP-1 MEDICATIONS

When combined with Tirzepatide or Semaglutide, MOTS-C provides critical metabolic support that amplifies weight loss results. GLP-1 medications reduce appetite; MOTS-C ensures the body burns fat efficiently, preserves muscle mass, and maintains energy — addressing a key complaint patients have on GLP-1 therapy (fatigue and muscle loss).

FAST FACTS

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| Class Mitochondrial / Longevity Peptide | Origin Human mitochondrial genome |
| Administration Subcutaneous injection | Typical Duration 3-month protocol |

PRICING

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|--------------------------------------------------------------------------------|--------------|
| MOTS-C Only — 3 Month Supply | \$370 |
| MOTS-C Add-On — 3 Month Supply <i>When added to existing package</i> | \$340 |

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