

**Product Name:** SHLP-3

**Cat. No.:** MRP-2505-CXX-35

**Package:** 50 mg/100 mg/250 mg

## Description

SHLP-3, a mitochondrial-derived peptide encoded by the 16S ribosomal RNA (MT-RNR2) gene, enhances cell viability and reduces apoptosis in insulinoma NIT-1 $\beta$  and human prostate cancer 22Rv1 cells. It improves mitochondrial function and provides cytoprotection by increasing OCR, cellular ATP, and reducing ROS production. It's used in diabetes and cancer research.

## Product Details

**Formula:** C<sub>214</sub>H<sub>301</sub>N<sub>47</sub>O<sub>49</sub>S<sub>2</sub>

**Molecular Weight:** 4380.10

**Biological Target:** Apoptosis; Reactive Oxygen Species

**Research Areas:** Metabolic Disease, Cancer

**Sequence:** Met-Leu-Gly-Tyr-Asn-Phe-Ser-Ser-Phe-Pro-Cys-Gly-Thr-Ile-Ser-Ile-Ala-Pro-Gly-Phe-Asn-Phe-Tyr-Arg-Leu-Tyr-Phe-Ile-Trp-Val-Asn-Gly-Leu-Ala-Lys-Val-Val-Trp

**Sequence Shortening:** MLGYNFSSFPCGTISIAPGFNFYRLYFIWVNGLAKVWW

**Shipping Conditions:** Room Temperature

**Storage Information:** Powder: -80°C (2 years), -20°C (1 year); In solvent: -80°C (6 months), -20°C (1 month)

 For preclinical research and development use only; not intended for therapeutic or other applications.