



Product Data Sheet

Product Name:	SHLP3 (Small humanin-like peptide 3)	
Catalog Number:	AS-65589 (0.1 mg)	Lot Number: See label on vial
Sequence:	NH ₂ -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-COOH H-MLGYNFSSFPCGTISIAPGFNFYRLYFIWVNGLAKVWVW-OH	
Molecular Weight:	4380.4	
Peptide Purity:	Peak Area by HPLC ≥95%	
Storage:	This peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at -20°C or lower. Reconstituted peptide can be aliquoted and stored at -20°C or lower.	
Description:	Recent advances in high-resolution sequencing have led to the discovery of unique peptides derived from mitochondrial genome. ¹⁻² Currently 8 peptides are identified: humanin, mitochondrial open reading frame of the 12S tRNA-c (MOTS-c), and six small humanin-like peptides (SHLP1-6). ¹⁻² All of these peptides are released into cytosol from mitochondria. SHLP3 shares protective effects with Humanin, such as reduction in apoptosis, generation of reactive oxygen species and improving mitochondrial metabolism. In addition, it may participate in age-related disease pathology ¹⁻² .	
Related Products:	Humanin, Cat# AS-60886 MOTS-c, Cat# AS-65587 SHLP-1, Cat# AS-65588 SHLP-4, Cat# AS-65590 SHLP-6, Cat# AS-65591	
References:	1. Cobb L. J. et al., <i>AGING</i> 8 (4) , 796-808 (2016). 2. Okada A. K. et al., <i>Sci Reports</i> 7 (7802) , 1-10 (2017).	

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