



## Product Data Sheet

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<b>Product Name:</b>	SHLP1 (Small humanin-like peptide 1)	
<b>Catalog Number:</b>	AS-65588 (1 mg)	Lot Number: See label on vial
<b>Sequence:</b>	NH <sub>2</sub> -Met-Cys-His-Trp-Ala-Gly-Gly-Ala-Ser-Asn-Thr-Gly-Asp-Ala-Arg-Gly-Asp-Val-Phe-Gly-Lys-Gln-Ala-Gly-COOH  H-MCHWAGGASNTGDARGDVFQKQAG-OH	
<b>Molecular Weight:</b>	2393.6	
<b>Peptide Purity:</b>	Peak Area by HPLC ≥95%	
<b>Storage:</b>	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.	
<b>Description:</b>	Recent advances in high-resolution sequencing have led to the discovery of unique peptides derived from mitochondrial genome. <sup>1-2</sup> 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). <sup>1-2</sup> All of these peptides are released into cytosol from mitochondria and associate with increased longevity and cell viability, reduced apoptosis, and other beneficial functions. <sup>1-2</sup>	
<b>Related Products:</b>	Humanin, Cat# AS-60886 MOTS-c, Cat# AS-65587 SHLP-3, Cat# AS-65589 SHLP-4, Cat# AS-65590 SHLP-6, Cat# AS-65591	
<b>References:</b>	1. Cobb L. J. et al., <i>AGING</i> <b>8 (4)</b> , 796-808 (2016). 2. Okada A. K. et al., <i>Sci Reports</i> <b>7 (7802)</b> , 1-10 (2017).	

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