

# Product Information

## $\alpha$ -Defensin 5 human

For Research Purposes only. Not for use in Humans



<b>Product</b>	AMP-001
<b>Sequence</b>	<p>ATCYCRTGRCATRESLSGVCEISGRLYRLCCR            Disulfide bonds between Cys<sup>3</sup> – Cys<sup>31</sup>, Cys<sup>5</sup> – Cys<sup>20</sup>, Cys<sup>10</sup> – Cys<sup>30</sup></p> <p>Ala-Thr-Cys-Tyr-Cys-Arg-Thr-Gly-Arg-Cys-Ala-Thr-Arg-Glu-Ser-Leu-Ser-Gly-Val-Cys-Glu-Ile-Ser-Gly-Arg-Leu-Tyr-Arg-Leu-Cys-Cys-Arg            Disulfide bonds between Cys<sup>3</sup> – Cys<sup>31</sup>, Cys<sup>5</sup> – Cys<sup>20</sup>, Cys<sup>10</sup> – Cys<sup>30</sup></p>
<b>Synonyms</b>	HD-5, Human defensin 5
<b>CAS</b>	Not available
<b>MW / Formula</b>	3582 / C <sub>144</sub> H <sub>238</sub> N <sub>50</sub> O <sub>45</sub> S <sub>6</sub>
<b>Counter ion</b>	TFA
<b>Packaging Reconstitution Storage</b>	<p>The peptide is provided as a lyophilised, colourless powder without any additives. It can be shipped at room temperature and should be stored at 4°C.</p> <p><math>\alpha</math>-Defensin 5 human can be reconstituted in water (1 mg/ml stock solution). Through the use of either a homogeniser or sonicator, a homogenous solution can be prepared. If you use an ultrasonic bath, take care of the vial labels.</p> <p>After reconstitution, the solution should be aliquoted and stored at or below –20°C. Repeated thawing and freezing should be avoided.</p>
<b>Handling</b>	<p>Good laboratory technique should be employed in the safe handling of any peptide product. If you are not fully trained or are unaware of the hazards involved, do not use this compound!</p> <p>Caution: Do not take internally! Avoid contact by all modes of exposure. Wear appropriate laboratory attire including a lab coat, gloves, mask and safety glasses. Do not mouth pipette, inhale, ingest or allow coming into contact with open wounds. Wash thoroughly any area of the body which comes into contact with the product. Avoid accidental autoinoculation by exercising extreme care when handling in conjunction with any injection device.</p> <p>This product is intended for research purposes by qualified personnel only. It is not intended for use in humans or as a diagnostic agent. EMC microcollections GmbH is not liable for any damages resulting from misuse or handling of this product.</p>