

# Product Data Sheet

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| Product Name:     | <i>3-D Life</i> Scrambled RGD Peptide   |
| Description:      | <p>RGD sequences are motifs on extracellular matrix proteins promoting adhesion to cellular integrin receptors. The <i>3-D Life</i> Scrambled RGD Peptide contains a scrambled RGD motif and a thiol on a N-terminal cysteine residue. The thiol is used to immobilize the peptide on maleimide polymers in <i>3-D Life</i> Hydrogels. The immobilized peptide can be used as a control to determine the specificity of cell adhesion caused by a genuine RGD peptide (e.g. <i>3-D Life</i> RGD Peptide).</p> <p>Further information and detailed protocols are available in the <i>3-D Life</i> Hydrogels User Guide, <a href="http://www.cellendes.com/pdfs/manual_hydrogel.pdf">http://www.cellendes.com/pdfs/manual_hydrogel.pdf</a>.</p> |
| Product Number:   | 09-P-003  |
| Quantity:         | 1 mg  |
| Application:      | Cell adhesion control peptide. Covalent attachment to maleimide-polymer in <i>3-D Life</i> Hydrogels. For control of specificity of cell adhesion to RGD peptide.   |
| Molar mass:       | 1022 g/mol  |
| Peptide sequence: | Acetyl-Cys-Doa <sup>1</sup> -Doa-Gly-Arg-Asp-Gly-Ser-Pro-NH <sub>2</sub>  |
| Storage:          | -20°C to -80°C  |
| Purity:           | >90% (HPLC)   |
| Solubility:       | 20 mmol/l in water  |
| Reconstitution:   | Briefly centrifuge to make sure that entire product is on the bottom of the tube. Dissolve content in 48 µl sterile water. Store reconstituted product at -20°C or -80°C.   |

**NOTE:** INTENDED FOR RESEARCH USE ONLY. NOT FOR USE IN HUMAN THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.

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<sup>1</sup> Doa: 8-amino-3,6-dioxaoctanoic acid