

# Product Data Sheet



Product number **G002**  
Revision number **RN3.0**

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<b>Product Name</b>	Deamidated alpha2-gliadin, 33mer (aa56-88), biotinylated
<b>Application</b>	Biotinylated deamidated gliadin peptide, antigen in Celiac Disease
<b>Molecular Formula</b>	C <sub>200</sub> H <sub>284</sub> N <sub>42</sub> O <sub>52</sub> S
<b>Molecular Weight</b>	4140.71
<b>Chemical Structure</b>	Biotin-LQLQPFQPELPYPQPELPYPQPELPYPQPQPF-OH
<b>Purity by HPLC</b>	>95 % (220 nm)
<b>Solubility</b>	4 mg/ml aqueous buffers
<b>Appearance</b>	Off white solid
<b>Storage</b>	Store at -20°C, desiccate
<b>Related products</b>	G001 Alpha2-gliadin, 33mer (aa56-88), biotinylated G009 Alpha2-gliadin, 33mer (aa 56-88) G011 Deamidated alpha2-gliadin, 33mer, (Acetyl-aa56-88-amide, <u>Q65E</u> ) G005 DGPx4 (Fusion protein of 4 deamidated gliadin peptides) G006 DGPx2 (Fusion protein of 2 deamidated gliadin peptides) G007 DGPx1 (deamidated gliadin peptide) P004 PT-Gluten
<b>Reference(s)</b>	Qiao, S-W. <i>et al. J. Immunol.</i> <b>2004</b> , <i>173</i> , 1757.
<b>Release date</b>	02 December 2021
<b>NOTE</b>	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.