

Product Data Sheet



Product number **G001**
Revision number **RN3.0**

Product Name	Alpha2-gliadin, 33mer (aa56-88), biotinylated
Application	Biotinylated gliadin peptide, antigen in Celiac Disease
Molecular Formula	C ₂₀₀ H ₂₈₇ N ₄₅ O ₄₉ S
Molecular Weight	4137.85
Chemical Structure	Biotin-LQLQPFQPQLPYPQPQLPYPQPQLPYPQPQPF-OH
Purity by HPLC	>95 % (220 nm)
Solubility	4 mg/ml aqueous buffers
Appearance	Off white solid
Storage	Store at -20°C, desiccate
Related products	G002 Deamidated 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
Reference(s)	Qiao, S-W. <i>et al. J. Immunol.</i> 2004 , 173, 1757. Galipeau <i>et al. Am. J. Gastroenterol.</i> 2014 , 109, 748.
Release date	02 December 2021
NOTE	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.