

# Product Data Sheet



Product number **A109**  
Revision number **RN2.0**

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<b>Product Name</b>	$\beta$ -Amyloid peptide 1-42 (A $\beta$ 1-42) H-DAEFRHDSGYEVHH <u>Q</u> KLVFFFAEDVGSN <u>K</u> GAIIGLMVGGVVIA-OH
<b>Quantity</b>	1 mg
<b>Application</b>	Tissue transglutaminase (TG2) glutamine and lysine donor substrate The $\beta$ -Amyloid peptide (A $\beta$ 1-42), derived from amyloid precursor protein (APP) plays a potential role in the development of the senile plaques, being associated with Alzheimer's Disease
<b>Molecular Formula</b>	C <sub>203</sub> H <sub>311</sub> N <sub>55</sub> O <sub>60</sub> S
<b>Molecular Weight</b>	4514.04
<b>Purity by HPLC</b>	>95 % (214 nm)
<b>Solubility</b>	Soluble in ammonium hydroxide (pH>9) or 4 mM in DMSO  DMSO stock solutions can then be diluted with aqueous buffers and be stored at -20°C for at least 6 months. To avoid too many freeze-thaw cycles, we strongly recommend storage of aliquots.
<b>Appearance</b>	White powder
<b>Storage</b>	Store at -20°C, desiccate
<b>Related products</b>	T002 Human tissue transglutaminase (hTG2, recombinant in <i>E. coli</i> ) T022 Human tissue transglutaminase (hTG2, recombinant in insect cells)
<b>Reference(s)</b>	Hartley, D.M. <i>et al. J. Biol. Chem.</i> <b>2008</b> , 283, 16790. Zhang, W. <i>et al. Life Sci.</i> <b>1997</b> , 60, 2323. Jarrett J.T. <i>et al. Biochemistry</i> <b>1993</b> , 32, 4693.
<b>Release date</b>	02 December 2021
<b>NOTE</b>	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.