

Rev04
Update: Jun,09,2025

DATASHEET

[Gly22]- β -Amyloid (1-42), Arctic Mutation

Cat. No.: RP30247

Overview

Description	β -Amyloid 1-42 is one of the major constituents of the neurofibrillary tangles and plaques characteristic of the Alzheimer brain. The Arctic mutation E22G causes early onset of Alzheimer's compared to wild type and promotes protofibril formation and neurotoxicity.
Sequence	{Asp}{Ala}{Glu}{Phe}{Arg}{His}{Asp}{Ser}{Gly}{Tyr}{Glu}{Val}{His}{His}{Gln}{Lys}{Leu}{Val} {Phe}{Phe}{Ala}{Gly}{Asp}{Val}{Gly}{Ser}{Asn}{Lys}{Gly}{Ala}{Ile}{Ile}{Gly}{Leu}{Met}{Val}{Gly} {Gly}{Val}{Val}{Ile}{Ala}
Sequence Shortening	DAEFRHDSGYEVHHQKLVFFAGDVGSNKGAIIGLMVGGVVIA
Molecular Weight	4442.00

Properties

Purity	>95%
Solubility	Soluble in 3% ammonia water under 1mg/ml
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China