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CDNF Human

Cerebral Neurotrophic Factor Human Recombinant

NTR0010

Product Overview

Name	CDNF Human
Catalog #	NTR0010
Accession(Primary)	Q49AH0
Description	Cerebral Neurotrophic Factor Human Recombinant
Precautions	

Target information(Q49AH0)

Synonyms

Gene ID

Other Names

Function

Cellular location

Note

Background

Cerebral Neurotrophic Factor Human Recombinant: A Leap Forward in Neurobiology The field of neurobiology is replete with wonder, particularly due to the influential role of neurotrophic factors. These essential proteins, responsible for the survival and growth of neurons, have become a focal point in modern research. Among these, the Cerebral Neurotrophic Factor (CNF) stands out, offering novel insights and potential breakthroughs in our understanding of neurological health. Enter the world of bioengineering, a scientific arena where we have successfully replicated CNF, leading to the birth of Cerebral Neurotrophic Factor Human Recombinant (CNF-HR). This is a massive step towards conquering neurodegenerative disorders such as Alzheimer's and Parkinson's diseases, conditions that have perplexed scientists and clinicians for decades. The extraordinary capacity of CNF-HR lies in its dual functionality

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- it acts as a defender and a promoter. It defends neurons from harmful degenerative processes while promoting their growth and development. Picture a devoted gardener who tirelessly protects his garden from pests and nurtures the growth of each plant. In this context, the brain is the vibrant garden, and the neurons, the delicate plants we must care for. Although this scientific breakthrough sparks enthusiasm, it's crucial to remember the challenges that lie ahead. The path to determining the most effective method of delivering CNF-HR to the brain, identifying the optimal dosage, and monitoring potential side effects is a winding one. Nevertheless, with continuous research and relentless scientific curiosity, we are optimistic about overcoming these challenges. In conclusion, the development of CNF-HR is a significant milestone in the fascinating journey of neurobiology. Its potential to change the trajectory of treating neurodegenerative diseases and enhancing our understanding of neuronal function is tremendous. While the journey is strewn with complexities, the potential rewards we stand to reap promise a future where neurodegenerative diseases could be effectively managed or even cured.

References for protein:

Bibliography "Cerebral dopamine neurotrophic factor transfection in dopaminergic neurons using a neurotensin-polyplex nanoparticle system: New therapeutic tool for Parkinson's disease", Neural Regeneration Research, 2023 "Neurotrophins: role in neuron function and survival", Trends in Molecular Medicine, 2017 "Therapeutic potential of neurotrophic factors in neurological disorders", Pharmacological Reviews, 2018 1 .