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Datasheet for ABIN2017883
GDNF Protein (AA 77-211)

Overview

Quantity:	25 µg
Target:	GDNF
Protein Characteristics:	AA 77-211
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 <8 µg /mL, measured in a bioassay using C6 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	GDNF
Abstract:	GDNF Products
Background:	Glial-Derived Neurotrophic Factor, also known as GDNF and ATF-1, is a neurotrophic factor belonging to the TGF-beta family. It is expressed in both central nervous system (CNS) and non-CNS tissues. GDNF signals through a receptor system composed of a RET and one of the four GFR alpha receptors. It promotes the survival and differentiation of dopaminergic neurons, and increases their high-affinity dopamine uptake. In a mouse Parkinson's Disease model, GDNF

Target Details

has been shown to improve bradykinesia, rigidity, and postural instability. GDNF has also been shown to regulate kidney development, spermatogenesis and affect alcohol consumption.

Synonyms: Glial-Derived Neurotrophic Factor, ATF-1

Molecular Weight: 17-22 kDa, observed by reducing SDS-PAGE.

UniProt: [P48540](#)

Pathways: [RTK Signaling](#), [Synaptic Membrane](#), [Tube Formation](#), [Autophagy](#), [Smooth Muscle Cell Migration](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant murine GDNF remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Murine GDNF should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Expiry Date: 6 months