

Datasheet for ABIN7596156

GDNF Protein (AA 109-211) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	GDNF
Protein Characteristics:	AA 109-211
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GDNF protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	RGQRGK NRGCVLTAIH LNVTDLGLGY ETKEELIFRY CSGSCDAAET TYDKILKNLS RNRRLVSDKV GQACCRPIAF DDDLSFLDDN LVYHILRKHS AKRCGCI
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Human GFR alpha-1 (CAT# ATGP4154).

Target Details

Target:	GDNF
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Target Details

Alternative Name:	GDNF (GDNF Products)
Background:	GDNF, also known as Glial cell-derived neurotrophic factor, is a member of the GDNF family of ligands (GFL). This Protein has been found that GFLs play a role in a number of biological processes including cell survival, neurite outgrowth, cell differentiation and cell migration. It promotes the survival of many types of neurons and signals through GFRa receptors, particularly GFRa1. These neuronal populations die in the course of Parkinson's disease and amyotrophic lateral sclerosis (ALS). GDNF also regulates kidney development and spermatogenesis, and has a powerful and rapid negative (ameliorating) effect on alcohol consumption. Recombinant human GDNF, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	12.8kDa (113aa)
NCBI Accession:	NP_000505
Pathways:	RTK Signaling , Synaptic Membrane , Tube Formation , Autophagy , Smooth Muscle Cell Migration

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.