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Recombinant human GDNF protein

Catalog Number: ATGP3942

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

109-211aa

UniProt No.

P39905

NCBI Accession No.

NP 000505.1

Alternative Names

Glial cell line-derived neurotrophic factor, hGDNF, Astrocyte-derived trophic factor, ATF, ATF1, ATF2, HFB1-GDNF, HSCR3

PRODUCT SPECIFICATION

Molecular Weight

12.8kDa (113aa)

Concentration

0.25mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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



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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.

Amino acid Sequence

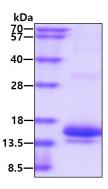
<ADPM>RGQRGK NRGCVLTAIH LNVTDLGLGY ETKEELIFRY CSGSCDAAET TYDKILKNLS RNRRLVSDKV GQACCRPIAF DDDLSFLDDN LVYHILRKHS AKRCGCI

General References

Lin LF., et al, (1993) Science. 260:1130–1132. Carnicella S., et al, (2008) United States of America. 105: 8114–8119.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

