
Product Data Sheet

Product Name: GDNF Human, Sf9
 Cat. No.: GP26026
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Glial cell line-derived neurotrophic factor, hGDNF, Astrocyte-derived trophic factor, ATF, ATF1, ATF2, HFB1-GDNF, HSCR3.		
Amino Acid Sequence	ADPMRGQRGK NRGCVLTAIH LNVTDLGLGY ETKEELIFRY CSGSCDAAET TYDKILKNLS RNRRLVSDKV GQACCRPIAF DDDLSFLDDN LUYHILRKHS AKRCGCIHHH HHH		
Formulation	GDNF protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

Glial cell-derived neurotrophic factor or GDNF is part of the GDNF group of ligands proteins. GDNF has a crucial part in numerous cell mechanisms such as neurite outgrowth, cell differentiation, cell survival and migration of cells. GDNF enhances neurons survival via GFRa receptors (mainly GFRa1). The mentioned neurons can die as a result from Parkinson's disease or ALS (amyotrophic lateral sclerosis). This protein takes part in the development of the spermatogenesis & kidney, also, it has a role in alcohol metabolism as ameliorating.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GDNF Human Recombinant produced in Baculovirus is a single glycosylated polypeptide chain containing 113amino acids (109-211 aa) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

12.8kDa.GDNF is fused to an 10 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA