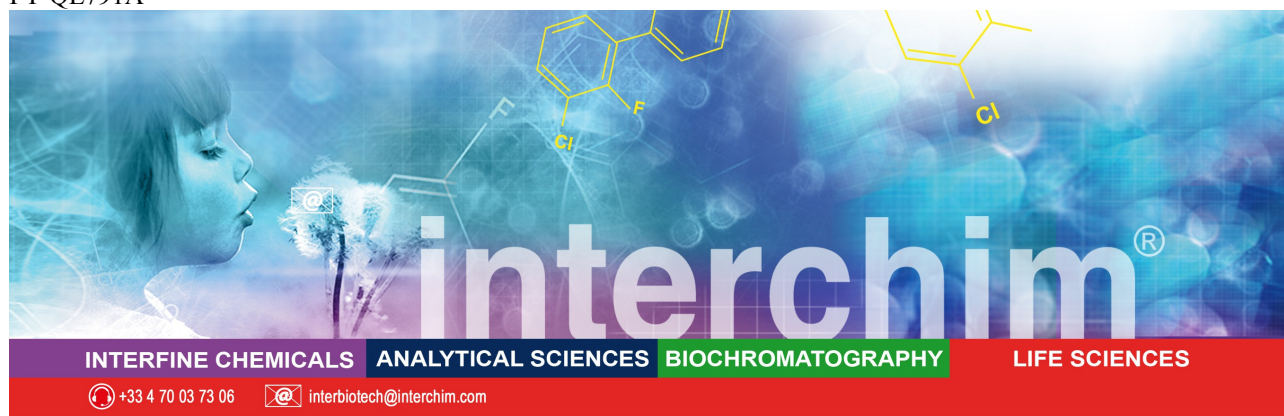


FT-QE791A



Rat GDNF

Product Description

Catalog #:	QE791A, 10µg QE791B, 100µg QE791C, 1mg QE791E, 2µg
Name:	Rat GDNF Glial Derived Neurotrophic Factor MW: 30.1 kDa
Source :	<i>E.coli</i>
Physical Appearance:	Sterile filtered white lyophilized (freeze-dried) powder.
Storage:	-20°C

For Research Use Only

Introduction

Glial Cell Line-Derived Neurotrophic Factor (GDNF) is a neurotrophic factor that is closely related to other neurotrophic factors, such as Neurturin, Persephin, and Artemin, by a common structural feature called the cysteine-knot. GDNF signals through a multicomponent system of receptors that includes RET and GFR α 1-4, to promote dopamine uptake, survival and differentiation of neurons. Recombinant rat GDNF is a non-glycosylated homodimer, containing two 135 amino acid chains, with a total molecular weight of 30.1 kDa.

Directions for use

Formulation and Stability

Recombinant rat GDNF is lyophilized from a sterile solution containing 10 mM Na₂PO₄. Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. DO NOT VORTEX. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

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Protein Content and Purity (typically $\geq 98\%$) determined by:

Reducing and Non-reducing SDS-PAGE

Endotoxin Level

Measured by kinetic LAL analysis and is typically ≤ 1 EU/ μg protein.n.

Biological Activity

The activity is determined by the dose-dependent proliferation of C6 cells and is typically less than 0.1 $\mu\text{g}/\text{mL}$.

AA Sequence

MSPDKQAAAL PRRERNRQAA AASPENSRGK GRRGQRGKNR GCVLTAIHLN VTDLGLGYET KEELIFRYCS
GSCEAAETMY DKILKNLSRS RRLTSDKVGQ ACCRPVAFDD DLSFLDDSLV YHILRKHSAK RCGCI

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

Please contact InterBioTech – Interchim for any other information

Hotline : +33(0)4 70 03 73 06 – Interbiotech@interchim.com

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