

## PRODUCT INFORMATION SUMMARY

### Murine GDNF

Purified Factor	Product Number	RC444321B	10.0 ug
		RC444321A	2.0 ug

#### DESCRIPTION:

Mouse Glial-Derived Neurotrophic Factor (GDNF) is a growth factor belonging to the Cysteine-Knot superfamily that display stable dimeric structures. GDNF is related to Artemin, Persephin and Neurturin, and signals via a multiple receptor system - RET and one of the GFR alpha receptors. GDNF promotes dopamine uptake and differentiation of midbrain neurons. GDNF may play a role in Parkinson's Disease. Murine GDNF is a disulfide linked homodimer with two 15.1 kDa chains.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Murine GDNF

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Specific activity of  $5.0 \times 10^6$  units/mg with half-maximal proliferation of Rat C6 cells of 0.2 ng/mL.

#### HANDLING AND STORAGE:

Purified Murine GDNF factor is provided lyophilized and free of additives. Store lyophilized, at  $-20^{\circ}\text{C}$ . Reconstitute with **distilled water** to a concentration of 100 ug/mL, then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots **with addition of 0.1% BSA**, at  $-20^{\circ}\text{C}$  for long-term storage (up to 3 months), at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**