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Product Datasheet

Recombinant Human GDNF EBT-EPT143

Article Name	Recombinant Human GDNF
Biozol Catalog Number	EBT-EPT143
Supplier Catalog Number	EPT143
Alternative Catalog Number	EBT-EPT143-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Glial Cell Line-Derived Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ser78-Ile211 is expressed....
Molecular Weight	Molecular weight: 15.1 KDa. Apparent molecular weight: 17 KDa, reducing conditions
UniProt	P39905
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED50 for this effect is 622.8 ng/ml. Background: Glial Cell Line-Derived Neurotrophic Factor (GDNF) is a disulfide-linked homodimeric glycoprotein that belongs to the TGF-beta superfamily. It has been shown to promote the survival of various neuronal subpopulations in both the central as well as the peripheral nervous systems at different stages of their development. Human GDNF cDNA encodes a 211 amino acid residue prepropeptide that is processed to yield a dimeric protein. Mature human GDNF was predicted to contain two 134 amino acid residue subunits. Cells known to express GDNF include Sertoli cells, type 1 astrocytes, Schwann cells, neurons, pinealocytes and skeletal muscle cells. Mutations in this gene may be associated with Hirschsprung disease