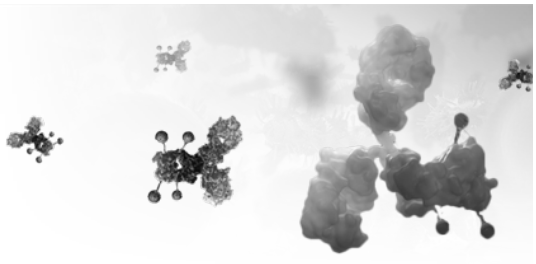

GDNF blocking peptide (DAG-P1619)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. Multiple transcript variants encoding different isoforms have been found for this gene. Mutations in this gene may be associated with Hirschsprung disease. [provided by RefSeq, Jun 2010]
Specificity	In the brain, predominantly expressed in the striatum with highest levels in the caudate and lowest in the putamen.
Purity	> 90 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the TGF-beta family. GDNF subfamily.
Format	Liquid
Buffer	Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Thimerosal
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	GDNF glial cell derived neurotrophic factor [Homo sapiens (human)]

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Official Symbol	GDNF
Synonyms	GDNF; glial cell derived neurotrophic factor; ATF1; ATF2; HSCR3; HFB1-GDNF; glial cell line-derived neurotrophic factor; ATF; astrocyte-derived trophic factor;
Entrez Gene ID	2668
mRNA Refseq	NM_000514.3
Protein Refseq	NP_000505.1
UniProt ID	P39905
Chromosome Location	5p13.1-p12
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem; Signaling events regulated by Ret tyrosine kinase, organism-specific biosystem; Spinal Cord Injury, organism-specific biosystem;
Function	growth factor activity; protein homodimerization activity; receptor binding;

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