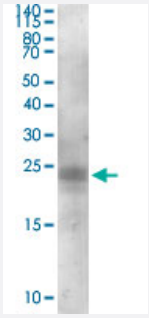
Bioactive | Full-Length | Sm Size

GDNF (Human) Recombinant Protein

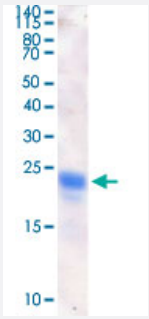
Catalog # P5881 Size 100 ug, 50 ug, 10 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of GDNF (Human) Recombinant Protein (Cat # P5881) using protein specific antibody.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human GDNF (150 a.a.) full-lenth recombinant protein with His tag expressed in Barley grain (Horde um vulgare). This protein is endotoxins-free and thus optimal to use in stem cell cultures.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Host	Plants
Theoretical MW (kDa)	25
Reactivity	Human
Form	Lyophilized
Preparation Method	*Hordeum vulgare (barley)* expression system
Purification	Chromatography
Purity	> 95% by SDS-PAGE
Endotoxin Level	Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by turbidimetric kineticassay.
Activity	Activity has been measured by cell-based proliferation assay using rat C6 cells. ED_{50} is 1.96 ug/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	Lyophilized from PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- Western Blot (Recombinant protein)

  Western blot analysis of GDNF (Human) Recombinant Protein (Cat # P5881) using protein specific antibody.
- SDS-PAGE

Gene Info — GDNF

Entrez GeneID	2668
Gene Name	GDNF
Gene Alias	ATF1, ATF2, HFB1-GDNF

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Description	glial cell derived neurotrophic factor
Omim ID	142623 171300 209880 600837
Gene Ontology	Hyperlink
Gene Summary	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. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease. [provided by RefSeq
Other Designations	astrocyte-derived trophic factor|glial cell line derived neurotrophic factor|glial derived neurotrophic factor

Disease

- Attention Deficit Disorder with Hyperactivity
- Celiac Disease
- Genetic Predisposition to Disease
- Hirschsprung Disease
- Hydronephrosis
- Malignant melanoma
- Melanoma
- Mental Disorders
- Narcolepsy
- Neoplasm Invasiveness
- Schizophrenia
- Skin Neoplasms
- Sleep Apnea
- Tourette Syndrome
- Vesico-Ureteral Reflux

Copyright © 2023 Abnova Corporation. All Rights Reserved.