

HumanKine[®] BDNF (Recombinant Human)



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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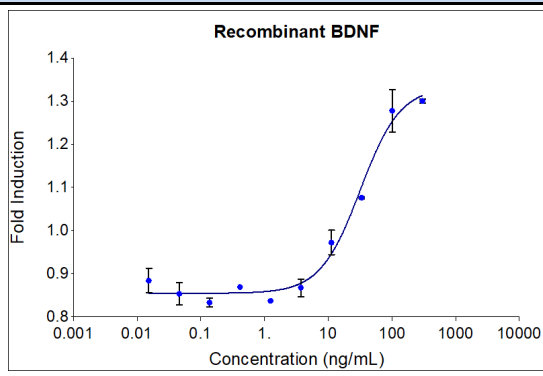
Product Description

Alternative Names	Abrineurin, ANON2, brain-derived neurotrophic factor
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived BDNF protein

Specifications

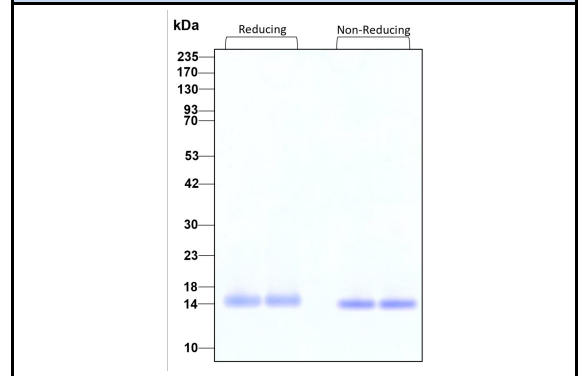
Test	Method	Specification
Activity	Dose-Dependent Proliferation of SH-SY5Y cells in the presence of 10 μ M retinoic acid	4-40 ng/mL EC50
Molecular Mass	SDS-PAGE	14 kDa reduced and non-reduced, homodimer, non-glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/ μ g

Activity Data



BDNF stimulates dose-dependent proliferation of the SH-SY5Y Neuroblastoma cell line. SH-SY5Y cells were treated with increasing concentrations of recombinant BDNF for 72 hours after an initial 5 day incubation with 10 μ M retinoic acid. Viable cell number was quantitatively assessed by PrestoBlue[®] Cell Viability Reagent. The EC50 was determined using a 4-parameter non-linear

SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	10 x PBS pH 7.4 See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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Proteintech Group, Inc.
5500 Pearl Street, Suite 400 Rosemont, IL 60612
t: 1-888-478-4522; f: 1-312-455-8408
Email: proteintech@ptglab.com