

HumanKine® recombinant human BDNF protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

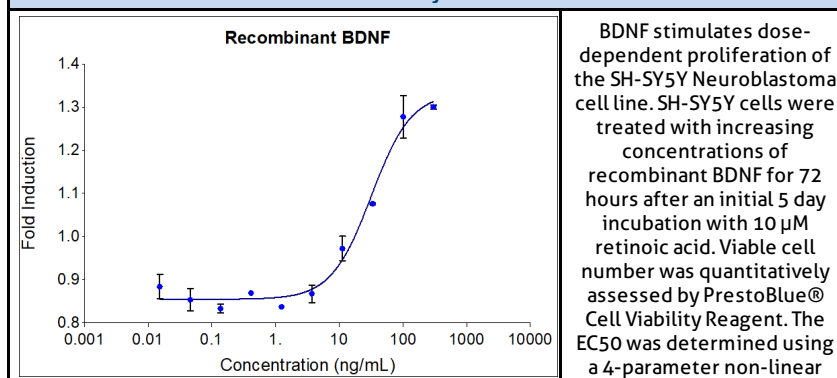
Product Description

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

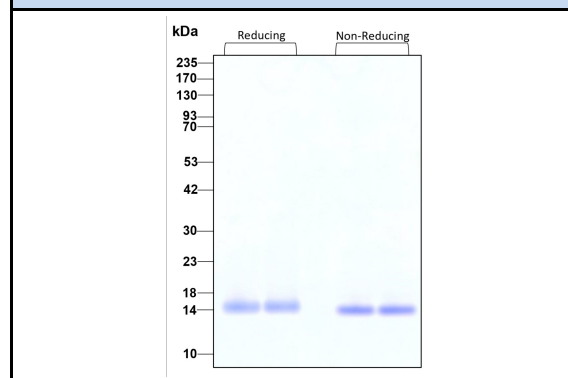
Specifications

Test	Method	Specification
Activity	Dose-Dependent Proliferation of SH-SY5Y cells in the presence of 10 μ M retinoic acid	4-40 ng/mL
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



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 to 0.2 mg/mL in sterile 1x PBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA). Gently swirl or tap vial to mix.

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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Document #: FR-QA118-101 Rev 0
Data Sheet Version #:

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