

CDNF Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76248
Synonyms:	Cerebral dopamine neurotrophic factor; ARMET-like protein 1; ARMETL1
Species:	Human
Source:	HEK293
Accession:	Q49AH0 (M1-L187)
Gene ID:	441549
Molecular Weight:	Approximately 45.2 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CDNF (Cerebral Dopamine Neurotrophic Factor) emerges as a vital trophic factor with a distinctive role in supporting dopamine neurons. Its protective capabilities extend to preventing the degeneration of dopaminergic neurons induced by 6-hydroxydopamine (6-OHDA). Notably, when administered subsequent to 6-OHDA-lesioning, CDNF exhibits the remarkable ability to restore dopaminergic function and effectively thwart the degeneration of neurons within the substantia nigra, underscoring its therapeutic potential in mitigating neurodegenerative processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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