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## DATASHEET

### Recombinant mouse CDNF protein

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#### Product overview

<b>Name</b>	Recombinant mouse CDNF protein
<b>Cat No</b>	HB7955
<b>Species of origin</b>	mouse
<b>Alternative names</b>	Recombinant Mouse Cerebral Dopamine Neurotrophic Factor, Cerebral dopamine neurotrophic factor, ARMET-like protein 1, Conserved dopamine neurotrophic factor, Cdnf, Armetl1, 9330140G23.
<b>Purity</b>	>97%
<b>Description</b>	Mouse CDNF protein

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#### Biological Data

<b>Application notes</b>	Enhances neurite outgrowth of E16-E18 rat embryonic cortical neurons when immobilized at 5-30 µg/mL on a nitrocellulose-coated microplate.
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#### Solubility & Handling

<b>Solubility overview</b>	To make a stock solution, reconstitute in sterile 18MΩcm water at a concentration > 100µg/ml, which can then be diluted to make a working solution
<b>Handling</b>	<ul style="list-style-type: none"><li>• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>• Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>• For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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#### Chemical Data

<b>UniProt ID</b>	Q8CC36
<b>Source</b>	E. Coli.
<b>Appearance</b>	White lyophilized powder (sterile filtered & freeze-dried)
<b>Formulation</b>	Lyophilized from a 0.2µm filtered solution in PBS (pH 7.4)

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#### References

##### CDNF Protein Therapy in Parkinson's Disease

Huttunen HJ *et al* (2019) Cell Transplant 28(4)

**PubMedID** [30947516](#)

##### Characterization of recombinant human brain-derived neurotrophic factor variants

Sunasara KM *et al* (1999) Arch Biochem Biophys 372(2)

PubMedID

10600162

Transport of human recombinant brain-derived neurotrophic factor (BDNF) through the rat blood-brain barrier in vivo using vector-mediated peptide drug delivery

Pardridge WM *et al* (1994) Pharm Res 11(5)

PubMedID

8058646

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