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Datasheet for ABIN1405920

MANF Protein

Overview

Quantity:	10 µg
Target:	MANF
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Western Blotting (WB), SDS-PAGE (SDS), Cell Culture (CC), In vivo Studies (in vivo)

Product Details

Characteristics:	<p>Bio-activity testing: Protein is biologically active. Suitable for cell culture and in vivo testing.</p> <p>Human recombinant MANF has been tested in rat &-OHDA model of Parkinson's disease and shown neuroprotection and neurorestoration. MANF has also shown neuroprotection in animal models of stroke</p>
Purification:	<p>Purified by ion-exchange chromatography and gel-filtration from serum-free CHO growth media.</p> <p>Purified Protein is characterized as homogenous material by mass-spectroscopy.</p>
Endotoxin Level:	Less than 1EU/µg of protein as determined by LAL method

Target Details

Target:	MANF
Alternative Name:	MANF (MANF Products)

Target Details

Background:	MANF is a trophic factor for midbrain dopamine neurons in vivo. It prevents the 6-OHDA-induced degeneration of dopamine neurons in rodent models of Parkinson's disease (Lindholm et al., 2008, Voutilainen et al., 2009). When administered after 6-OHDA-lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta.
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Molecular Weight:	Approximately 18.1 kDa, a single non-glycosylated polypeptide chain containing 163 amino acids.
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UniProt:	P55145
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Application Details

Comment:	Synonyms: Mesencephalic astrocyte-derived neurotrophic factor - MANF, ARMET, ARP
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Restrictions:	For Research Use only
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Handling

Concentration:	1 mg/ml Concentration of the protein is determined by BCA Protein Analysis kit (Pierce). BSA was used as a standard
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Buffer:	PBS pH 7.4
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Handling Advice:	Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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