MANF, human recombinant

Catalogue #	P-101-100
Synonyms:	Mesencephalic astrocyte - derived neurotrophic factor – MANF; ARMET; ARP
Uniprot ID:	P55145
Source:	Human
MW:	Approximately 18.1 kDa, a single non-glycosylated polypeptide chain containing 158 amino acids
Host:	CHO-based cell line (expressed by QMCF Technology)
Purification:	Purified by ion-exchange chromatography and gel-filtration from serum-free CHO growth media
Concentration:	1 mg/ml Concentration of the protein is determined by BCA Protein Analysis kit (Pierce). BSA was used as a standard
Buffer:	PBS pH 7.4, concentration
Endotoxine:	Less than 1EU/mg of protein as determined by LAL method
Bioproperties:	Protein is biologically active. Suitable for cell culture and *in vivo* testing. Human recombinant MANF has been tested in rat 6-OHDA model of Parkinson's disease and shown neuroprotection and neurorestoration. MANF has also shown neuroprotection in animal models of stroke
QC:	SDS-PAGE and Western-Blot analysis; Mass-spectroscopy: Purified human MANF is characterized as homogenous material by mass-spectroscopy
Related Products:	Polyclonal and monoclonal antibodies against human MANF For more information please visit: www.icosagen.com/products/?antibodies
Shipping:	Shipped on dry ice

Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles
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
Custom price	Custom quantity - ask quotation

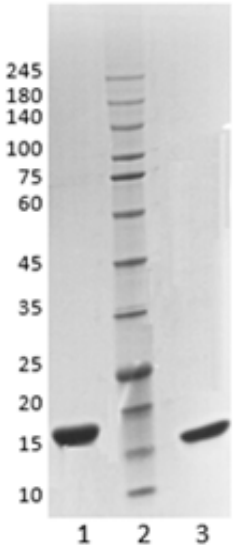

Figure 1. SDS-PAGE analysis of human MANF visualized by PageBlue protein staining solution (Fermentas). Line 1. Protein size marker (PageRuler Prestained protein ladder, Fermentas); Line 2. 10 µg of MANF.