9051 Mira Mesa Blvd, #910094
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MANF Human

Mesencephalic Astrocyte-Derived Neurotrophic Factor Human Recombinant
NTR0035

Product Overview

Name	MANF Human
Description	
Mesencephalic Astrocyte-Derived Neurotrophic Factor Human Recombinant	
Accession (Primary)	P55145
Synonyms	
Mesencephalic astrocyte-derived neurotrophic factor, Protein ARMET, ARP, arginine-rich mutated in early stage tumors, Arginine-rich protein.	
Introduction	
MANF is a 20kDa protein which belongs to the ARMET family. MANF was originally known as an arginine-rich region protein which was extremely mutated in a large number of tumors. MANF Expression is induced during ER stress, signifying that MANF takes part in protein quality control during ER stress.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.2 μm) and lyophilized from a concentrated (1mg/ml) solution in 1×PBS, pH7.4.	
Stability	
Lyophilized MANF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MANF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC AEKSDYIRKI NELMPKYAPK AASARTDL.	
Biological Activity	

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The ED50 was determined by its ability to stimulate the proliferation of rat C6 cells is typically 15-25 µg/ml.

Solubility

It is recommended to reconstitute the lyophilized MANF in sterile 18M-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

MANF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P55145)