9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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MANF Mouse

Mesencephalic Astrocyte-Derived Neurotrophic Factor Mouse Recombinant
NTR0037

Product Overview

Name	MANF Mouse
Description	
Mesencephalic Astrocyte-Derived Neurotrophic Factor Mouse Recombinant	
Accession (Primary)	Q9CXI5
Synonyms	
Mesencephalic astrocyte-derived neurotrophic factor, Arginine-rich protein, Protein ARMET, Manf, Armet.	
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	
Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.	
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 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIEEELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK ICEKLKKKDS QICELKYDNQ IDLSTVDLKK LRVKELKKIL DDWGEMCKGC AEKSDYIRKI NELMPKYAPK AASARTDL.	
Biological Activity	
The ED 50 as determined by a cell proliferation assay using rat C6 cells is less than 10 μg/ml, corresponding to a	

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specific activity of >100 IU/mg.

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

Target Information: (Q9CXI5)