
Product Data Sheet

Product Name: MANF Human, His
 Cat. No.: GP20728
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mesencephalic astrocyte-derived neurotrophic factor; Protein ARMET; ARP; arginine-rich mutated in early stage tumors; Arginine-rich protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLRPGD CEVCISYLGR FYQDLKDRDV TFSPATIENE LIKFCREARG KENRLCYIG ATDDAATKII NEVSKPLAHH IPVEKICEKL KKKDSQICEL KYDKQIDLST VDLKCLRVE LKKILDDWGE TCKGCAEKSD YIRKINELMP KYAPKAASAR TDL		
Formulation	The MANF solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MANF Human Recombinant produced in E. coli is a single polypeptide chain containing 183 amino acids (25-182) and having a molecular mass of 20.8kDa. MANF is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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