

MANF Human, His

Description: 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.

Catalog #: CYPs-140

For research use only.

Synonyms: Mesencephalic astrocyte-derived neurotrophic factor, Protein ARMET, ARP, arginine-rich mutated in early stage tumors, Arginine-rich protein.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMLRPGD CEVCISYLGR
FYQDLKDRDV TFSPATIENE LIKFCREARG KENRLCYIYG ATDDAATKII NEVSKPLAHH
IPVEKICEKL KKKDSQICEL KYDKQIDLST VDLKKLRVKE LKKILDDWGE TCKGCAEKSD
YIRKINELMP KYAPKAASAR TDL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The MANF solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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