



Mesencephalic Astrocyte-Derived Neurotrophic Factor, His Tag, human recombinant (rHuMANF-His)

Catalog No: 97541
Lot No: XXXXX
Source: *E. coli*
Synonyms: Mesencephalic astrocyte-derived neurotrophic factor, Protein ARMET, ARP, arginine-rich mutated in early stage tumors, Arginine-rich protein

Background

MANF is a 20 kDa 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.

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 20.8 kDa. MANF is fused to a 25 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

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

Purity

Greater than 90% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMLRPGD CEVCISYLGR FYQDLKDRDV TFSPATIENE LIKFCREARG KENRLCYYIG
ATDDAATKII NEVSKPLAHH IPVEKICEKL KKKDSQICEL KYDKQIDLST VDLKKLRVKE LKKILDDWGE TCKGCAEKSD
YIRKINELMP KYAPKAASAR TDL

Usage

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