

MANF, 25-182aa, Human, His tag, E.coli

Cat.NO.: TP02891

3th Edition

Synonyms: Mesencephalic astrocyte-derived neurotrophic factor, ARMET, ARP.

Description: Mesencephalic astrocyte-derived neurotrophic factor, also known as MANF, is a 20 kDa member of the ARMET family of proteins. MANF was initially identified as a protein containing an arginine-rich region that was highly mutated in a variety of tumors. Expression of MANF has also been shown to be induced during ER stress, suggesting that it may play a role in protein quality control during ER stress.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Molecular Weight: 20.8 kDa (183aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMLRPGDCEVCISYLGRFYQDLKDRDVTFSPTIENELIKFCREARGKENRL
CYYIGATDDAATKIINEVSKPLAHHIPVEKICEKLLKKKDSQICELKYDKQIDLSTVDLKKLRVKELKKILDDWGETCKGC
AEKSDYIRKINELMPKYAPKAASARTDL

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.