

32-1587: MANF Recombinant Protein

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

Description

Source : Escherichia Coli. MANF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 158 amino acids and having a molecular mass of 18.1 kDa. The MANF is purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content : Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in 1xPBS, pH7.4.
Storage condition : 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.
Amino Acid : LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK
PLAHHIPVEK ICEKLLKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC AEKSDYIRKI
NELMPKYAPK AASARTDL.

Application Note

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. The ED50 was determined by its ability to stimulate the proliferation of rat C6 cells is typically 15-25 µg/ml.