

32-1589: rMANF Recombinant Protein

Alternative Name : Mesencephalic astrocyte-derived neurotrophic factor, Arginine-rich protein, Protein ARMET, Manf, Armet.

Description

Source : Escherichia Coli. MANF Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 158 amino acids and having a molecular mass of 18.2kDa. 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 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
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 TIEEELIKFC REARGKENRL CYIGATDDA ATKIINEVSK PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGEMCKGC AEKSDYIRKI NELMPKYAPK AASARTDL.

Application Note

It is recommended to reconstitute the lyophilized MANF in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀ as determined by a cell proliferation assay using rat C6 cells is less than 10µg/ml, corresponding to a specific activity of >100 IU/mg.

