

Human MANF Recombinant Protein



RPPB0745

Product Information Protein Information

Product SKU:

RPPB0745

Accession:

P55145

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in 1×PBS, pH7.4.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

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.

Stability:

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 Sequence:

LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYIGATDDA ATKIINEVSK
PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC AEKSDYIRKI
NELMPKYAPK AASARTDL.

Biological Activity:

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