

Mouse MANF Recombinant Protein



RPPB0746

Product Information Protein Information

Product SKU:

RPPB0746

Accession:

Q9CX15

Host:

Escherichia Coli.

Protein description:

MANF Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 158 amino acids and having a molecular mass of 18.2kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 98.0% 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 TIEELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK
PLAHHIPVEK ICEKLKKKDS QICELKYDNQ IDLSTVDLKK LRVKELKKIL DDWGEMCKGC AEKSDYIRKI
NELMPKYAPK AASARTDL.

Biological Activity:

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.