

RPPB0747

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## Product Information    Protein Information

**Product SKU:**

RPPB0747

**Accession:**

POC5H9

**Host:**

Escherichia Coli.

**Protein description:**

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.

**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 H<sub>2</sub>O 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 QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGEMCKGC AEKSDYIRKI  
NELMPKYAPK AASARTDL.

**Biological Activity:**

The ED<sub>50</sub> 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.