

## Rat MANF

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

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
5 µg	3065.970.005		
20 µg	3065.970.020		
1 mg	3065.970.199		

Please enquire for bulk quantities and other vial sizes

### 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.

- **Biological Activity** ≥ 100 IU/mg
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4\*
- **Physical state** Sterile filtered, lyophilized

### 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.

### Reconstitution

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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

LRPGDCEVCI SYLGRFYQDL KDRDVTFSFA TIEEELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK  
PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGEMCKGC AEKSDYIRKI  
NELMPKYAPK AASARTDL

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING  
Tel.: +49 40 43208448-0  
order@active-bioscience.de  
www.active-bioscience.de

TECHNICAL SUPPORT  
Tel.: +49 40 43208448-11  
support@active-bioscience.de

Active Bioscience GmbH  
Oberaltenallee 8  
D-22081 Hamburg  
HRB 98170 Amtsgericht Hamburg