Human MANF

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
5 µg	3065.950.005		
20 µg	3065.950.020		
100 µg	3065.950.100		
1 mg	3065.950.199		

Please enquire for bulk quantities and other vial sizes.

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.

- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Filtered (0.2µm) and lyophilized from a concentrated (1 mg/ml) solution in 1×PBS, pH7.4*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50} was determined by its ability to stimulate the proliferation of rat C6 cells is typically 15-25 µg/ml.

Reconstitution

It is recommended to reconstitute the lyophilized MANF in sterile 18M-cm H_2O 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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC 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.

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