# Recombinant Human MANF Protein



Catalog No.: RP00005 Recombinant 1 Publications

# **Sequence Information**

**Species** Gene ID **Swiss Prot** Human 7873 P55145

Tags

No tag

**Synonyms** MANF; ARMET; ARP

# **Product Information**

Source **Purification** E. coli ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

18.16 kDa 18 kDa

# **Endotoxin**

< 0.1 EU/µg of the protein by LAL method.

#### Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

# Contact

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# **Background**

The protein is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing expression of this protein increases susceptibility to ER stressinduced death and results in cell proliferation. Activity of this protein is important in promoting the survival of dopaminergic neurons. The presence of polymorphisms in the N-terminal arginine-rich region, including a specific mutation that changes an ATG start codon to AGG, have been reported in a variety of solid tumors; however, these polymorphisms were later shown to exist in Normal tissues and are thus no longer thought to be tumor-related.

# **Basic Information**

### Description

Recombinant Human MANF Protein is produced by E. coli expression system. The target protein is expressed with sequence (Leu25-Leu182) of human MANF (Accession #NP 006001.4).

# **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

# Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

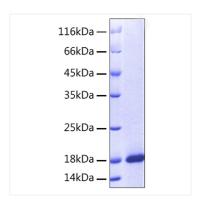
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

# **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human MANF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.