

# 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

## 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 stress-induced 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.

## Product Information

**Source**    **Purification**  
*E. coli*        ≥ 95 % as  
 determined by SDS-PAGE.

**Calculated MW**    **Observed MW**  
 18.16 kDa        Approximately 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

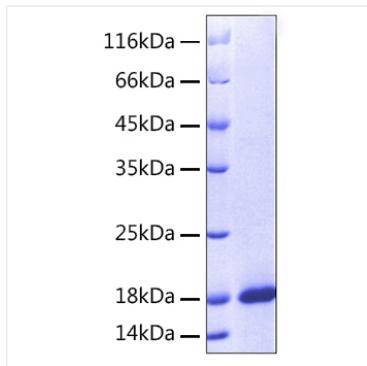
## Contact

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## Validation Data

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