

Recombinant Human MANF Protein

Catalog No.: RP00044 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7873	P55145

Tags

C-His

Synonyms

MANF;ARMEF;ARP

Product Information

Source	Purification
<i>E. coli</i>	> 92% by SDS-PAGE.

Calculated MW	Observed MW
19.00 kDa	19 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM PIPES, 500mM NaCl, pH 6.0. 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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Background

The protein is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing 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) fused with an initial Met at the N-terminus and a 6×His tag at the C-terminus.

Bio-Activity

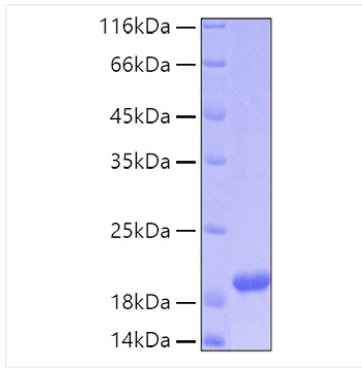
Storage

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.

Validation Data



Recombinant Human MANF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 19 kDa.