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Datasheet for ABIN7533798
MANF Protein (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | MANF |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MANF protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Human MANF Protein |
| Sequence: | LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAAHHPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC AEKSDYIRKI NELMPKYAPK AASARTDL |
| Specificity: | Leu25-Leu182 |
| Purity: | > 92 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | < 1.0 EU/µg of the protein by LAL method. |

Target Details

| | |
|-------------------|--|
| Target: | MANF |
| Alternative Name: | MANF (MANF Products) |

Target Details

Background: Description: 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.

Name: MANF,ARMET,ARP

Gene ID: 7873

UniProt: [P55145](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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 free-thaw cycles.

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

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.