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Datasheet for ABIN7520323 MANF Protein (His tag)

Overview

Quantity:	10 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 KDRDVTFSPTIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK 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:	<p>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.</p> <p>Name: MANF,ARMET,ARP</p>
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Gene ID:	7873
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UniProt:	P55145
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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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.
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Buffer:	Lyophilized from a 0.22 µm filtered solution of 20 mM PIPES, 500 mM NaCl, pH 6.0.
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Storage:	-20 °C,-80 °C
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Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>
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