

Recombinant Human MANF protein, His-tagged

Cat. No. MANF-518H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MANF (P55145) fused with His tag was produced in HEK293F cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing expression of this gene 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.
Form	Freeze-dried powder
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MANF mesencephalic astrocyte derived neurotrophic factor [Homo sapiens (human)]
Official Symbol	MANF
Synonyms	MANF; mesencephalic astrocyte derived neurotrophic factor; ARP; ARMET; mesencephalic astrocyte-derived neurotrophic factor; arginine-rich, mutated in early stage tumors
Gene ID	7873
mRNA Refseq	NM_006010.5
Protein Refseq	NP_006001.4
UniProt ID	P55145

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