Active Recombinant Human MANF, Carrier Free

Cat. No. MANF-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MANF, expressed in Murine myeloma cell line, NS0 derived. Leu22 Leu179 with a C-terminal 6-His tag.
Species	Human
Source	Mammalian Cells
Description	Mesencephalic astr centigradeyte derived neurotrophic factor (MANF), also known as arginineric h, mutated in early stage tumors (ARMET) and arginineric h protein (ARP), is a 20 kDa member of the ARMET family of proteins. The name ARMET comes from the fact that the protein was initially thought to be 50 aa longer at the Nterminus and to contain an arginine rich region. The presence of a specific mutation changing the previously numbered codon 50 from ATG to AGG, or deletion of that codon, has been reported in a variety of solid tumors.
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its ability to support the survival and stimulate neurite outgrowth of rat embryonic cortical neurons. The ED50 for this effect is typically 0.7-2.8 μg/mL.
Molecular Mass	20.4 kDa, reducing conditions.
Endotoxin	<1.0 eu per 1 μg of the protein by the lal</1.0
Purity	>90%, by SDSPAGE under reducing conditions and visualized by silver stain.

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Usage	FOR RESEARCH USE ONLY
Quality Control Test	12 months from date of receipt, 20 to 70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, 20 to 70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 200 µg/mL in sterile PBS.
Warning	Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	MANF mesencephalic astrocyte-derived neurotrophic factor [Homo sapiens]
Official Symbol	MANF
Synonyms	MANF; mesencephalic astrocyte-derived neurotrophic factor; arginine rich, mutated in early stage tumors, ARMET; ARP; arginine-rich, mutated in early stage tumors; ARMET; MGC142148; MGC142150;
Gene ID	7873
mRNA Refseq	NM_006010
Protein Refseq	NP_006001
MIM	601916
UniProt ID	P55145
Chromosome	3p21.1

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Location	
Function	growth factor activity; molecular_function;

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