Active Recombinant Rat Manf protein

Cat. No. Manf-928R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Manf protein(P0C5H9)(22-179 aa) was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	22-179 aa
Form	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat C6 cells is less than 10 μg/ml, corresponding to a specific activity of > 100 IU/mg.
Molecular Mass	Approximately 18.2 kDa, a single non-glycosylated polypeptide chain containing 158 amino acids.
AASequence	LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIEEELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGEMCKGC AEKSDYIRKI NELMPKYAPK AASARTDL
Endotoxin	Less than 0.1 EU/μg of rRtMANF as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC analyses.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Manf mesencephalic astrocyte-derived neurotrophic factor [Rattus norvegicus]
Official Symbol	Manf
Synonyms	MANF; mesencephalic astrocyte-derived neurotrophic factor; arginine-rich protein; arginine-rich, mutated in early stage tumors; Armet;
Gene ID	315989
mRNA Refseq	NM_001108183
Protein Refseq	NP_001101653
SDS-PAGE	

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