

Active MANF, Human Recombinant

02/21

CATALOG NO:	P1706-25 25 µg
ALTERNATE NAMES:	Mesencephalic Astrocyte-derived Neurotrophic Factor; ARMET; Arginine-rich protein (ARP) arginine-rich, mutated in early stage tumors; Protein ARMET
MOL. WT.	18.1 kDa
NCBI GENE ID:	7873
ACCESSION NO.:	P55145
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses
SOURCE:	<i>E.coli</i>
AMINO ACID SEQUENCE:	LRPGDCEVCI SYLGRFYQDL KDRDVTFSFA TIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK ICELKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC AEKSDYIRKI NELMPKYAPK AASARTDL
FORM:	Lyophilized protein powder
RECONSTITUTION:	Reconstitute to desired concentration using sterile water.
BIOLOGICAL ACTIVITY:	Determined by its ability to stimulate the proliferation of rat C6 cells. The expected ED50 for this effect is 15-25 µg/ml.
STORAGE CONDITIONS:	Store at -20 °C to -80 °C. After reconstitution, divide into small aliquots and store at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	MANF is a secreted neurotrophic factor that is expressed in brain, neuronal and certain non-neuronal tissues. It has been shown to promote the survival, growth and function of dopamine-specific neurons. MANF can prevent 6-OHDA-induced degeneration of dopaminergic neurons by triggering survival pathways in a rat experimental model of Parkinson's disease. Expression of MANF has also been shown to be induced during ER stress, suggesting that it may play a role in protein quality control during ER stress.
RELATED PRODUCTS:	GDNF, Human Recombinant (Cat. No. 4097) ProNGF, Human Recombinant (Cat. No. 4274) Neuritin, Human Recombinant (Cat. No. 7179) CNTF, Human Recombinant (Cat. No. 4017) CDNF, Human Recombinant (Cat. No. 7127)

FOR RESEARCH USE ONLY! Not to be used on humans.