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Product Datasheet

Human ARMET protein, His tag (active), Unconjugated GTX00139-PRO

Article Name	Human ARMET protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00139-PRO
Supplier Catalog Number	GTX00139-pro
Alternative Catalog Number	GTX00139-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	7873
UniProt	P55145
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Gly28~Leu182 (NP_006001.4)

Application Notes

MANF (Mesencephalic astrocyte-derived neurotrophic factor) is a prosurvival protein that protects the cells when applied intracellularly *in vitro* or extracellularly *in vivo*. Recently, MANF has also been proven to inhibit cell proliferation and ER stress-induced cell death and also affects cell size and morphology under certain conditions. Thus the bioactivity of human recombinant MANF were detected using U87-MG. Briefly, U87-MG cells were seeded into triplicate wells of 96-well plates at a density of 2000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of MANF. After incubated for 48h, cells were observed by inverted microscope that MANF inhibited cell proliferation of U87-MG and affected cell size and morphology.