

Recombinant Human MANF

Cat No:HR2R1686

For research use only

Overview

Quantity	40 µg
Gene Symbol	MANF
Gene ID	7873
Accession	P55145
Alternative Name	Arginine-rich protein, Protein ARMET, ARP Recombinant Human Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF)
Species	Human
Source	E. coli
Description	MANF is a neurotrophic factor found mainly in central nervous tissues where it may remain localized to the endoplasmic reticulum/Golgi apparatus, or secreted. It has been shown that MANF plays an important role in protecting cells against tunicamycin and thapsigargin -induced cell death. Without MANF, cells become increasingly vulnerable to the aforementioned drugs. Also, MANF is structurally homologous to CDFN.
Functions	The ED50 was found to be <0.5ng/ml using dose dependent proliferation of human pancreatic cells.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS
Solubility	Reconstitute at 200 µg/mL in PBS
Appearance	Lyophilized Powder
Molecular Weight	18.4
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/µg of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.