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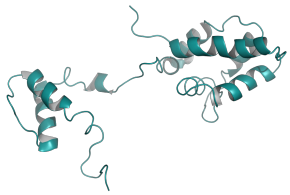
DATASHEET

Recombinant human MANF (His Tag) protein

Product overview

Name	Recombinant human MANF (His Tag) protein
Cat No	HB7200
Species of origin	human
Alternative names	Recombinant Human Mesencephalic Astrocyte-Derived Neurotrophic Factor, His Tag, Mesencephalic astrocyte-derived neurotrophic factor, Protein ARMET, ARP, arginine-rich mutated in early stage tumors, Arginine-rich protein.
Purity	>90%
Description	His-Tag recombinant human MANF protein

Images



Solubility & Handling

Handling	• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions. • Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C. • For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

UniProt ID	P55145
Source	E.coli.
Appearance	Colourless solution (sterile filtered)
Formulation	Solution (0.5mg/ml) containing Tris-HCl buffer (20mM, pH 8.0), NaCl (100mM), DTT (1mM) and 10% glycerol.

References

MANF: a new mesencephalic, astrocyte-derived neurotrophic factor with selectivity for dopaminergic neurons

Petrova P *et al* (2003) J Mol Neurosci 20(2)
PubMedID 12794311

Mesencephalic astrocyte-derived neurotrophic factor is neurorestorative in rat model of Parkinson's disease

Voutilainen MH *et al* (2009) J Neurosci 29(30)
PubMedID 19641128

Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) Elevates Stimulus-Evoked Release of Dopamine in Freely-Moving Rats

Renko JM *et al* (2018) Mol Neurobiol 55(8)
PubMedID 29349573