
Product Data Sheet

Product Name: METRN Mouse
 Cat. No.: GP23917
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Meteorin; Hypoxia/reoxygenation regulatory factor; Metrn;1810034B16Rik; Hyrac.		
Amino Acid Sequence	GYSEDRCSWRGSGLTQEPGS VGQLTLDCTE GAIEWLYPAG ALRLTLGGPD PGTRPSIVCL RPERPFAGA Q VFAERMTGNLELLLAEGPDL AGGRCMRWGP RRRALFLQA TPHRDISRRV AAFRFELHED QRAEMSPQAQ GLGVDGACRPCSDAELLAA CTSDFVIHGT IHGVAHDTEL QESVITVVVA RVIRQTLPLF KEGSSEGQGR ASIRTLRLCGVRPGPGSFLF MGWSRFGEAW LGCAPRFQEF SRVYSAALTT HLNPCEMALD HHHHHH.		
Formulation	METRN protein solution (0.25mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Meteorin (METRN) is involved in both glial cell differentiation and axonal network formation during neurogenesis. METRN promotes astrocyte differentiation and transforms cerebellar astrocytes into radial glia. Moreover, the METRN protein stimulates axonal extension in small and intermediate neurons of sensory ganglia by activating nearby satellite glia.

Stability

Store at 4°C if entire vial will be used within 2-4weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrierprotein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

METRN produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 276 amino acids (22-291 a.a.) and having a molecular mass of 30.2kDa

Caution: Product has not been fully validated for medical applications. For research use only.

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(Migrates at 28-40kDa on SDS-PAGE underreducing conditions).

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