

Recombinant Mouse Metr protein, His-tagged

Cat. No. Metr-78M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse METRN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	METR, also known as meteorin, involved in both glial cell differentiation and axonal network formation during neurogenesis. It promotes astrocyte differentiation and transforms cerebellar astrocytes into radial glia. Also, this protein induces axonal extension in small and intermediate neurons of sensory ganglia by activating nearby satellite glia.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	30.2kDa (276aa) confirmed by MALDI-TOF28-40KDa (SDS-PAGE under reducing conditions.)
AA Sequence	GYSEDRCSWR GSGLTQEPGS VGQLTLDCTE GAIEWLYPAG ALRLTLGGPD PGTRPSIVCL RPERPFAGA QVFAERMTGNL ELLLAEGPDL AGGRCMRWGP RERRALFLQA TPHRDISRRV AAFRFELHED QRAEMSPQAQ GLGVDGACRP CSDAELLAA CTSDFVIHGT IHGVAHDTL QESVITVVVA RVIRQTLPLF KEGSSEGQGR ASIRTLLRCG VRPGPGSFLF MGWSRFGEAW LGCAPRFQEF SRVYSAALTT HLNPCEMALD HHHHHH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS – PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Metrn meteorin, glial cell differentiation regulator [Mus musculus]
Official Symbol	Metrn
Synonyms	METRN; meteorin, glial cell differentiation regulator; meteorin; hypoxia/reoxygenation regulatory factor in astrocytes; Hyrac; 1810034B16Rik;
Gene ID	70083
mRNA Refseq	NM_133719
Protein Refseq	NP_598480
MIM	
UniProt ID	
Function	molecular_function;

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