

Meteorin, 22-291aa, Mouse, His tag, Insect cell (Bioactivity Validated)

Cat.NO.: TP02955

3th Edition

Synonyms:Metrn, 1810034B16Rik, Hyrac

Description:METRIN, 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. Recombinant mouse METRN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:30.2kDa (276aa) confirmed by MALDI-TOF 28-40KDa (SDS-PAGE under reducing conditions.)

Sequences:

GYSEDRCSWRGSGLTQEPGSGVQLTLDCTEGAI EWLYPAGALRLTLGGPDPGTRPSIVCLRPERPFAGA QVFAER
MTGNLELLLAEGPDLAGGRCMRWGPRRRALFLQATPHRDISRRVAAFRFELHEDQRAEMSPQAQGLGVDGACR
PCSDAELLAACTSDFVIHGTHGVAHDTLQESVITVVVARVIRQTLPLFKESSEGGGRASIRLLRCGVRPGPGS
FLFMGWSRFGEAWLGCAPRFQEF SRVYSAALTTHLNPCEMALDHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.