

# Recombinant mouse Meteorin protein

Catalog Number: ATGP3195

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

22-291aa

### UniProt No.

Q8C1Q4

### NCBI Accession No.

NP\_598480.1

### Alternative Names

Metrn, 1810034B16Rik, Hyrac

## PRODUCT SPECIFICATION

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### Molecular Weight

30.2 kDa (276aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

METRN, 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

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purified by using conventional chromatography techniques.

## Amino acid Sequence

GYSEDRCSWR GSGLTQEPGS VGQLTLDCTE GAIEWLYPAG ALRLTLGGPD PGTRPSIVCL RPERPFAGA Q VFAERMTGNL  
ELLLAEGPDL AGGRCMRWGP RERRALFLQA TPHRDISRRV AAFRFELHED QRAEMSPQAQ GLGVDGACRP CSDAELLAA  
CTSDFVIHGT IHGVAHDTTEL QESVITVVVA RVIRQTLPLF KEGSSEGQGR ASIRTLRLCG VRPGPGSFLF MGWSRFGEAW  
LGCAPRFQEF SRVYSAALTT HLNPCEMALD <HHHHHH>

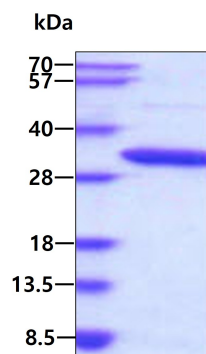
## General References

Wang Z et al., (2012) J. Cereb. Blood Flow Metab. 32(2):387-398.

Lee HS et al., (2010) J. Cell. Sci. 123(PT11):1959-1968.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.