



Recombinant Protein Technical Manual

Recombinant Mouse Meteorin/METRN Protein (Fc Tag)

RPES0839

Product Data:

Product SKU: RPES0839

Size: 20µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q8C1Q4

Protein Information:

Molecular Mass: 58.4 kDa

AP Molecular Mass: 57 kDa

Tag: N-Fc

Bio-activity:

Purity: > 85 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: 1810034B16Rik;Hyrac

Immunogen Information:

Sequence: Gly22-Asp291

Background:

Meteorin is a novel secreted protein that is expressed in undifferentiated neural progenitors and in the astrocyte lineage, including radial glia. It plays important roles in the differentiation of glial cells and also in axonal network formation during neurogenesis. Meteorin selectively promoted astrocyte formation from mouse cerebrocortical neurospheres in differentiation culture, whereas it induced cerebellar astrocytes to become radial glia. Meteorin also induced axonal extension in small and intermediate neurons of sensory ganglia by activating nearby satellite glia.