

# Mouse CNTNAP2/CASPR2 (His Tag) recombinant protein



Catalog Number: 501206

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CASPR2 (NP\_001004357.2) (Met 1-Ser 1262) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. Mouse CASPR2 immobilized at 0.8 µg/ml, 100 µl/well will mediate >30 % C6 cell adhesion.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

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

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 28

### Molecular Mass

The secreted recombinant mouse CASPR2 comprises 1246 amino acids and has a calculated molecular mass of 139 kDa. The recombinant protein migrates as an approximately 140-150 kDa band in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

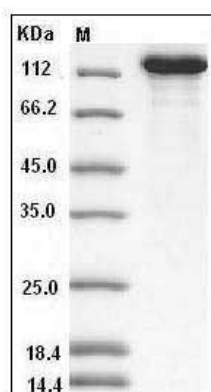
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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SDS-PAGE