



## Product Datasheet

<b>Product Name</b>	Collapsin Response Mediator Protein -1 Human Recombinant
<b>Cata No</b>	CB501109
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Dihydropyrimidinase-related protein 1, DRP-1, Collapsin response mediator protein 1, CRMP-1, CRMP1, DPYSL1, DRP1.

### Description

Collapsin response mediator proteins (CRMPs) are cytosolic phosphoproteins involved in neuronal differentiation and axonal guidance. CRMP2 was previously shown to mediate the repulsive effect of Sema3A on axons and to participate in axonal specification. The X-ray crystal structure of murine CRMP1 was determined at 2.1 resolution and demonstrates that CRMP1 is a bilobed 'lung-shaped' protein forming a tetrameric assembly. CRMP-1 Human Recombinant (aa 448-568) expressed in E.coli, shows a 39 kDa band on SDS-PAGE. The CRMP-1 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

CRMP-1 at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

### Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

**Please prevent freeze-thaw cycles.**

### Applications

- ELISA
- Inhibition Assays
- Western Blotting