

Recombinant Human CRMP1

Cat. No. CRMP1-26625TH **Lot. No.** (See product label)

SPECIFICATION

| | |
|---------------------------|---|
| Product Overview | Recombinant fusion protein with N terminal tag, corresponding to amino acids 448-568 of Human CRMP1 |
| Species | Human |
| Source | E.coli |
| ProteinLength | 448-568 a.a. |
| Description | This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants. |
| Tissue specificity | Brain. |
| Form | Liquid |
| Purity | >95% by SDS-PAGE |
| Storage buffer | Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5 |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequence Similarities Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily.

GENE INFORMATION

Gene Name [CRMP1](#) collapsin response mediator protein 1 [Homo sapiens]

Official Symbol [CRMP1](#)

Synonyms [CRMP1](#); collapsin response mediator protein 1; dihydropyrimidinase-related protein 1; [DPYSL1](#); [DRP 1](#);

Gene ID [1400](#)

mRNA Refseq [NM_001014809](#)

Protein Refseq [NP_001014809](#)

MIM [602462](#)

Uniprot ID [Q14194](#)

Chromosome Location 4p16.1

Pathway Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem;

Function dihydropyrimidinase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amides; protein binding;

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